Digitized by the Internet Archive
in 2025

https://archive.org/details/journal-of-mammalogy_1960-1969_41-50_index

TEN-YEAR INDEX
TO
JOURNAL OF MAMMALOGY
1960-1969

TEN-YEAR INDEX

to

JOURNAL OF MAMMALOGY

VOLUMES 41-50 INCLUSIVE

1960-1969

Prepared by

JAMES S. FINDLEY, Chairman Index Committee
KENNETH W. ANDERSEN
MICHAEL A. BOGAN
KENNETH N. GELUSO
THOMAS B. KEYSE
B. KIM MORTENSEN
DANIEL F. WILLIAMS

Published by

THE AMERICAN SOCIETY OF MAMMALOGISTS

COPYRIGHT, 1974
BY
AMERICAN SOCIETY OF MAMMALOGISTS

Printed in United States of America by
ALLEN PRESS, INC., LAWRENCE, KANSAS

AUGUSTANA LIBRARY
UNIVERSITY OF ALBERTA

INTRODUCTION

The arrangement of this 10-year index is essentially that of the annual indices to the Journal of Mammalogy. Because the annual indices for the period 1960 to 1969 were prepared under the direction of three different committee chairmen (Viola S. Schantz, volumes 41–45; D. F. Hoffmeister, volume 46; J. S. Findley, volumes 47–50), some changes in style occurred. Entries have been used as they appeared in the annual indices, but some changes have been made for the sake of consistency. For example, the use of vernacular names has been reduced; for the most part, only those that are not also indexed under a scientific name are here included. When a faunal study of an area listed many species, only "faunal list" is indicated under the geographic heading. Of course, each species in the list appears at its appropriate place in the index. The use of subspecific epithets has been minimized, and they are not indexed separately. Reviews appear in a separate section at the end of the index, and are listed under the author of the work reviewed. New names appear in *italic* type.

The actual publication date of each issue of the Journal of Mammalogy for the period 1960 to 1969 appears on the first page of the issue.

J. S. Findley

ABBREVIATIONS

abnorm.	abnormal
act.	activity
adap.	adaptation
alb.	albino,-ism
anat.	anatomy
ann.	annual
anom.	anomaly
arch.	archeology
bacu.	baculum
bal.	balance
behav.	behavior
breed.	breeding
capt.	captivity, captive
char.	characteristic
chromo.	chromosome
clit.	clitoridis
coll.	collection
color.	coloration
comp.	comparison
compet.	competition
dens.	density
dent.	dentition
desc.	description
develop.	development
digest.	digestion
dis.	disease
disper.	dispersal
distr.	distribution
ecol.	ecology
econ.	economic
emb.	embryo
emigr.	emigration
evol.	evolution
ext.	external
fd.	food
feed.	feeding
fos.	fossil
gen.	genetics
geog.	geographic
gest.	gestation
gl., gls.	gland(s)
hab.	habits
hiber.	hibernation
hist.	history
histol.	histology
is.	island(s)
ingest.	ingestion
introd.	introduction
juv.	juvenile
karyo.	karyotype
lab.	laboratory
lit.	litter
loc.	location
locomo.	locomotion
longev.	longevity
meas.	measurements
metab.	metabolism
migr.	migration
misc.	miscellaneous
morph.	morphology
mort.	mortality
move.	movement
nomen.	nomenclature
obit.	obituary
occur.	occurrence
olfact.	olfaction
ost.	osteology
par.	parasite
partu.	parturition
patt.	pattern
pel.	pelage
per.	period
photo.	photograph
phyl.	phylogeny
physiol.	physiology
pl.	plate
Pleist.	Pleistocene
Plio.	Pliocene
pop.	population
pred.	predation
pref.	preference
preg.	pregnant
prot.	protection
repro.	reproduction
resp.	respiration
rev.	revision
seas.	seasonal
seb.	sebaceous
select.	selection
serol.	serology
skel.	skeleton
soc.	social
struct.	structure
subsp.	subspecies
sudorif.	sudoriferous
syn.	synonymy
syst.	systematics
tax.	taxonomy
tech.	technique
temp.	temperature
terr.	territory
thermoreg.	thermoregulation
toler.	tolerance
var.	variation
wt.	weight
yg.	young

Abbreviations for geographic place-names follow those listed on p. vi in the 10-year index for 1950–1959.

Ten-year Index to Journal of Mammalogy

(1960–1969)

A

Abbott, H. G., and W. H. Belig:
Juniper seed: a winter food of red squirrels in Massachusetts, 42:240
Abbott, H. G., and A. W. Coombs:
A photoelectric 35-mm camera device for recording animal behavior, 45:327
Abbott, H. G., and M. A. Parsons:
Cuterebra infestation in Peromyscus, 42:383
Abegg, R.:
(see Goertz, J. W.)
Ables, E. D.:
Home-range studies of red foxes (Vulpes vulpes), 50:108
(see Storm, G. L.)
Abnormalities:
Blarina brevicauda, dent., 49:251
Castor canadensis, dent., 50:652
Cervus, congenital, 45:480
Didelphis marsupialis, dent., 47:709
Erethizon dorsatum, vaginal cast, 47:713
Eschrichtius, flukes, 42:419
gorilla, dent., 47:419
Megaptera, flukes, 42:419
Mephitis mephitis, 42:422; 43:420; dent., 47:709
Microtus, dent., 44:270
Mirounga leonina, penis, 47:731
Mus musculus, dent., 47:733
Myotis, dent., 44:275
Odobenus rosmarus, forelimbs, 47:115
Odocoileus, 41:411; 42:551; 44:79; dent., 45:315, 319
Odocoileus virginianus, 49:148; hair, 47:154; repro. syst., antlered doe, 47:711
Oryzomys, dent., 47:709
Perognathus baileyi, color., 48:493
Perognathus formosus, color., 49:319
Procyon lotor, dent., 47:149
Sibbaldus, 42:419
Sigmodon, 43:269
Sorex, 42:527
Sylvilagus floridanus, repro. syst., 47:141
Tadarida brasiliensis, tails, 47:149
Tursiops truncatus, 44:405
Abortion, Artibeus, 41:508
Achaenodon, 46:394
Acinonyx:
jubatus, 48:200
venaticus, 48:403
Acomys:
cahirinus, 48:258; Nyasaland, 43:241; Israel, temp., resp., metab., water bal., 50:245
cahirinus dimidiatus, 48:258
cahirinus lelousi, Mozambique, 46:264
dimidiatus, 48:258; gls., 46:33; habitat, fd., 47:153
lewisi, Jordan, 48:258
russatus, 48:258; Israel, temp., resp., water bal., 50:245
Acoustic orientation, 43:449
Acrobates pygmaeus frontalis, Queensland, 41:263
Activity:
Aplodontia rufa, 44:399
bats, neotropical, 49:754
Blarina, 43:220
Citellus lateralis, 47:63, 66
Citellus pygmaeus, 47:212
Clethrionomys gapperi, 49:565
Desmodus rotundus, 50:240
Dryomys, 45:73
Geomys, 42:542
Hemicentetes, 47:664
Macaca mulatta, 48:70
magnetic detection, 48:330
mammals of Eurasian steppes, 47:208
Marmota monax, 43:425; 47:103
Microtus, 43:220; 46:288
Microtus pinetorum, 50:777
Mus musculus, 48:262
Myotis, 46:94
Peromyscus leucopus, 42:501
Peromyscus maniculatus, 50:811
Phacocoerus aethiopicus, 47:136
Potamochoerus porcus, 47:136
Procyon lotor, 48:673
recorder, 41:284; 43:219
Reithrodontomys, 41:58
Taxidea taxus, 50:635
Thomomys, 42:541
Zalophus californianus, 48:63
Adams, D. B., and G. M. Baer:
Cesarian section and artificial feeding device for suckling bats, 47:524
Adams, D. R., and D. A. Sutton:
A description of the baculum and os clitoris of Eutamias townsendii ochrogenys, 49:764
Adams, L.:
Do white-tailed deer occur in northeastern California?, 44:518
Adams, L., E. G. Biglieri, and H. A. Bern:
The adrenal cortex and its hormones in the California ground squirrel, Spermophilus beecheyi, 46:446
Adams, L., and S. D. Davis:
The internal anatomy of home range, 48:529
Adams, W. H.:
New locality records of two North Carolina mammals, 46:499
Adaptations:
Alces alces, to snow, 50:302
Odocoileus virginianus, to snow, 50:302
Myocaster, to winter conditions, 43:418
Adelonycteris gaumeri, 46:231
Adenota:
kob thomasi, 48:206
vardoni, Tanganyika, habitat, 41:164

Adrenal glands:
Eutamias, seas. wt. changes, 49:463
Loxodonta africana, morph., histol., 50:90
mice, olfact., 50:839
Microtus pennsylvanicus, wt., histol., 47:1
Mus musculus, 47:28
Odocoileus virginianus, 47:275
Peromyscus, 50:313; wt., 48:598
Spermophilus, 46:446
Sylvilagus floridanus, 48:475
Thomomys, 44:452
Adrenalectomized mink, pel. changes, 46:561
Adrenocortical activity, Microtus, 46:286
Adrenopituitary interactions, Thomomys, 44:451
Aello megalophylla, flight, 42:153
Aepyceros melampus, 48:201; Tanganyika, habitat, 41:166; Southern Rhodesia, dist., pop. dens., develop., breed., behav., terr., 43:375; Southern Rhodesia, repro., 43:535; Southern Rhodesia, 45:629; Mozambique, 46:262
Aethomys:
chrysophilus chrysophilus, Mozambique, 46:263
kaiseri, Uganda, 44:127
Africa:
Dendrohyrax arboreus, 47:692
Gazella granti, 48:189
Gazella thomsonii, 48:189
giant-horned buffalo, 47:725
Giraffa, 43:550
Glauconycteris, 47:86
Gorilla gorilla, 47:123
Heterohyrax brucei, 47:691
Heterohyrax welwitschii, 47:690
Hypsignathus monstrosus, 49:335
mammal collection, 44:471
Procavia capensis, 47:689
Age:
Alouatta caraya, 47:58
Antilocapra americana, 48:489
Atopomys, 46:470
Blarina brevicauda, 47:188; 49:205
Castor canadensis, 48:408
Chalinolobus dwyeri, 47:159
Cryptomys, 46:662
Eutamias minimus, 47:159
Geomys, 43:1
Leptonychotes weddelli, 50:559
Lepus, 45:409
Loxodonta africana, 46:382; 49:22
Lynx, 45:36
Marmota flaviventris, 50:762
Microtus pennsylvanicus, 47:3
Monachus, 44:280
Mus, 44:153
Myotis, 46:307, 332
Myotis lucifugus, 47:383
Neotoma, 41:479
Odocoileus hemionus, 45:51
Odocoileus virginianus, 47:267
Onychomys leucogaster, 47:614
Onychomys torridus, 47:614
Perognathus penicillatus, 48:362
Peromyscus, 44:180
Phenacomys, 42:44
Pipistrellus subflavus, 47:383
Scapanus townsendii, 47:247
Sigmodon hispidus, 46:471; 47:138
Sorex, 47:188
Spilogale putorius, 48:606
Sylvilagus floridanus, 50:624
Tadarida brasiliensis, 50:357
Tamias striatus, 47:159
Tursiops truncatus, 49:163
Ursus americanus, 47:328
Zalophus californianus, 48:63
Agriochoerus, 49:301
Ahmad, M. S.:
(see Taber, R. D.)
Ailuropoda melanoleuca, longev., 41:113
Ajello, L.:
(see Di Salvo, A. F.)
Akodon, Argentina, Plio., 50:643
Alabama:
Erethizon, 42:544; 44:267
faunal list, 50:609
Lasiurus intermedius, 50:845
Martes, 42:544
Microtus ochrogaster, 49:328
Myotis austroriparius, 48:645
Myotis grisescens, 48:646
Myotis lucifugus, 48:645
Odocoileus, 41:410
Sylvilagus, 42:254
Alaska:
Alces alces, 45:313; 49:528
Balaena, 44:16
Callorhinus, 44:122; 45:299
Canis, 43:264; 45:304, 313
Canis lupus, 47:347; 48:125
Cervus, 44:111
Enhydra, 41:172; 46:702
Eptesicus, 46:332
Eschrichtius, 42:108; 44:17
Eumetopias jubata, 42:218; 43:469; 47:196
faunal list, 48:125
Gulo, 43:263
lemming, 42:493
Lepus, 46:406, 705
Martes, 42:112
Mesoplodon stejnegeri, 50:127
Monodon, 41:250
Mus musculus, 47:733
Myotis spp., 48:487
Neotoma, 43:431
Odobenus, 47:115
Odocoileus, 42:522; 45:226
Orcinus orca, 50:151
Oreamnos americanus, 48:242
Oryctolagus, 46:525
Phoca vitulina, 46:103; 48:677
Rangifer tarandus, 43:263; 48:125
Spermophilus undulatus, 47:581
Ursus, 44:584; 45:304, 312
Ursus americanus, 47:328
Ziphius cavirostris, 42:75; 50:127
Alberta:
Bison bison, 45:630
Citellus lateralis, 47:64
Citellus richardsonii, 49:553
Glaucomys sabrinus, 50:121
Gulo luscus, 45:629
Lepus americanus, 47:541; 48:327
Lynx canadensis, 50:640

Peromyscus maniculatus, 48:591; 49:713
Prothryptacodon *albertensis*, 49:661
Albinism:
Anoura caudifera, 48:464
Blarina, 43:424
Canis latrans, 47:339
Citellus spilosoma, 44:574
Cryptotis, 41:506; 43:424
Dipodomys, 44:415
ground squirrel, Richardson, 43:270
mammals, N. Dak., 43:269
Microtus, 45:479; 46:501
Molossus, 45:476
Odocoileus, 44:90
Perognathus, 44:415
Perognathus formosus, 49:319
Pitymys, 41:129; 45:485; 46:92
Sorex, 42:96; 43:424
Sylvilagus, 42:541
Tadarida, 41:119; 44:422
Tamias, 44:577
Taxidea, 42:275
Thomomys, 44:261
Alcephalus:
buselaphus, 48:197
lichtensteinii, Tanganyika, habitat, 41:166; Mozambique, 46:262
Alces:
alces, 44:91; 49:354; Me., 41:416; 41:525; Ontario, 46:355; pred., 47:347; Newfoundland, par., 48:688; Nova Scotia, 49:325; Alas., 49:528; adap. for snow, 50:302
alces gigas, Alas., 54:313
alces shirasi, blood, 50:826
americana, 43:468
americana andersoni, antlers, 45:490
shirasi, Wyo., habit, 41:525
Aleksiuk, M.:
Scent-mound communication, territoriality, and population regulation in beaver (Castor canadensis Kuhl), 49:759
Aletesciurus, 45:474
Aleutian Islands:
Callorhinus, 42:549
faunal list, 48:125
Alexander, M. M.:
Dentition as an aid in understanding age composition of muskrat populations, 41:336
Aliev, F. F.:
Dispersal of nutria in the USSR, 46:101
Enemies and competitors of the nutria in the USSR, 47:353
Alilepus annectens, dietrichi, hungaricus, laskarewi, dent., 44:5
Alker, J.:
The occurrence of Paracricetodon Schaub (Cricetidae) in North America, 49:529
Allacerops, dent., 47:635
Allactaga jaculus, siberica, 47:210
Allen, W. T.:
(see Morrison, P.)
Allenopithecus nigroviridis, birth, develop., 43:265
Allocricetulus, 47:210
Allred, D. M., and D. E. Beck:
Range of movement and dispersal of some rodents at the Nevada Atomic Test Site, 44:190
Alopex lagopus, 43:175, 181; 44:75; 46:526; Ontario, 46:354; Unalaska Is., Alas. Pen., Aleutian Is., 48:124
Alouatta, 44:215, 231, 241
caraya, lens growth, wt., aging, 47:58
villosa, Oaxaca, 41:414
Alticola, syst., 50:459
argentatus, 47:210
montosa, seb. gls., 49:438
stracheyi, seb. gls., 49:438
strelzovi, 47:210, 214
worthingtoni, seb. gls., 49:438
Altitude, effect on small mammal abundance, 49:539
Altmann, H. J.:
(see Benton, A. H.)
Altmann, M.:
Moose runs from sandhill crane, 41:525
Alvarez, T.:
The type locality for Nyctomys sumichrasti, 44:582
(see Jones, J. K., Jr.)
Ambrose, H. W.:
(see Graham, W. J.)
American Society of Mammalogists, hist., 50:785, 794
Ametrida centurio, Trinidad, 44:396
Amir, E.:
(see Nevo, E.)
Ammodorcas clarkei, 46:54
Ammonia, effects in dogs and rabbits, toler. in Macrotus californicus, 44:543
Ammospermophilus, Nev., disper., habitat, move., 44:192; gls., 46:31, 35; syst., 47:579; pred., 48:547; Nev., fd., 49:14; water loss, 50:253, 520
leucurus, Calif., ecol., 45:203, 212
nelsoni, fd., 49:14
Amphicyon, Plio., 43:455
Anagale, 46:394
Anagalopis, 46:394
Anamygdon, Solomon Is., 46:517
Anatomy:
bats, flight, 42:152
Callorhinus, salivary gls., 44:349
Cervus canadensis, canine, 50:350
Condylura cristata, nasal rays, 46:248
Equus, vertebrae, 43:205
home range, internal, 48:529
microtines, digest. tract, 47:225
Microtus, repro., 42:102
Myocastor, salivary gls., 43:359
Nandinia, ear, 44:273
Odocoileus, rumen-reticulum, 46:196
Paraechinus, skel., 42:365; musculature, 46:210
Peromyscus, skel., 42:103
Rattus, skel., 43:249
Ziphius, stomach, 42:75
Anderson, A. E.:
A possible case of urinary calculi in a mule deer fawn, 43:268

Anderson, A. E.:
(see Short, H. L.)
Anderson, A. E., L. G. Frary, and R. H. Stewart:
A comparison of three morphological attributes of mule deer from the Guadalupe and Sacramento Mountains, New Mexico, 45:48
Anderson, E.:
Equus conversidens from Wyoming, 48:661
Anderson, N. V.:
(see Mech, L. D.)
Anderson, S.:
A new method of preparing lagomorph skins, 42:409
A new northern record of Synaptomys borealis in Ungava, 43:421
A new craniometer and suggestions for craniometry, 49:221
Anderson, S., J. K. Doutt, and J. S. Findley:
Collections of mammals in North America, 44:471
Anderson, S., and S. Hadary:
A kit fox from southern Zacatecas, 46:343
Andrews, J. C., and P. R. Mott:
Gray seals at Nantucket, Massachusetts, 48:657
Andrews, R. D.:
Effects of tear gas on some mammals, 45:321
Anesthesia:
Blarina, 46:424
Procyon, 46:343
Tachyglossus aculeatus, 48:316
Ursus americanus, 47:328
Anesthetizing chamber, 43:553
Angola, faunal list, 41:395
Anisomys imitatior, phallic morph., 49:620
Anomalurodon, tax., 47:334
Anomalurops beecrofti, dent., 43:310
Anomalurus, dent., 43:310
auzembergeri, tax., 47:334
derbianus, tax., 47:335
derbianus neavei, Northern Rhodesia, 43:310
fraseri, tax., 47:336
pelii auzembergeri, Liberia, tax., distr., 47:334
Anotomys leander, 49:552
Anoura:
caudifer, 47:230; alb., 48:464
cultrata, 47:231
geoffroyi, 41:511; 42:537; 44:396; 47:231; 50:821
geoffroyi peruana, Colombia, 44:172
lasiopyga, Mexico, habitat, 41:511
weidii, 47:234
Ansell, W. F. H.:
Mus minutoides born in captivity, 41:405
Antarctica:
Hydruga, 43:229, 273
Leptonychotes weddellii, 46:37; 47:317; 49:287; 50:155, 559
Lobodon, 43:229; 49:161
Mirounga, 41:277; 45:314
Ommatophoca, 43:229
Antechinomys laniger, Australia, distr., 46:328
Antechinus:
flavipes, thermoreg., 50:556
stuartii, 50:633
Antechinus maculatus, Queensland, 43:433
Antilocapra, 42:116
americana, 41:503; 42:513, 557; 44:91; 50:647, 838; Iowa, Mo., 41:503; Calif., distr., 43:415; Mo., 46:675; N. Mex., partu, 47:708; breed. age, 48:489; terr., 50:81; Mont., horn casting, 50:373; Mont., distr., ecol., 50:599
Antilocaprid, Tex., Pleist., 41:20
Antilope:
cervicapra, India, breed., 41:387; West Pakistan, 48:403
rajputanae, India, breed., 41:387
Anting, gray squirrel, 45:136
Antlers:
Alces, 45:490
deer, female, 44:85
elk, abnorm., 44:261
Odocoileus virginianus, develop., 41:23; 45:61; abnorm., 46:108; develop. and loss, 49:522; drop schedule, 50:156
Rangifer tarandus, fos., 47:325
Antrozous:
bunkeri, Kans., Okla., tax., 41:10
pallidus, 42:97; 46:356; 47:249; 48:163; 50:128, 370; tax., 41:10; Calif., nursery colonies, 41:266; Calif., fd., water loss, wts., metab., 41:452, 510; Ariz., 42:64; stomach content, 42:66; flight, 42:153; N. Mex., 42:538; Ariz., homing, 44:131; Ariz., 44:272; roosts, 44:428; Ariz., 46:509; pararhinal gls., histol., 47:357; Calif., behav., temp. response, roosts, 48:52; karyo., 48:271; wt. changes, wing loading, 50:141; growth, develop., 50:729; Mont., 50:737
pallidus bunkeri, Tex., 49:516, 536
pallidus pallidus, Tex., 43:279; Nev., habitat, 44:125
Anubis, nomen., 41:403
Apheliscus, 46:394
Aphelops, dent., 47:637
Aplodontia, gls., 46:33
rufa, 42:557; Calif., habitat, behav., 41:120; Calif., reingestion, 42:411; act., 44:399; capture mort., urine conc., 47:408; Ore., plant clipping, 49:151; carotid circulation, 50:1
Apocrine glands, Tamandua tetradactyla, 47:283
Apodemus, Pakistan, 50:470
agrarius, 47:210; distr., 42:105
flavicollis, gls., 46:33
sylvaticus, 47:210; 49:724; 50:298; hab., behav., 41:438; reprod., 42:33; gls., 46:33
Arata, A. A.:
A comment on the utility of the testicular blood supply in taxonomic studies, 45:493
Taxonomic status of the pine vole in Florida, 46:87
The os clitoridis of Bassariscus, 46:523
Discrepancy between dry and fresh forearm measurements in bats, 49:155

Arata, A. A., J. B. Vaughn, and M. E. Thomas:
Food habits of certain Colombian bats, 48:653
Archer, J. E.:
The effect of strange male odor on aggressive behavior in male mice, 49:572
Adrenocortical responses to olfactory social stimuli in male mice, 50:839
Arctic:
Phocoena phocoena, 50:721
Spermophilus, 44:575
Arctocephalus, 42:114
australis, 49:668
gazella, 49:671
philippii, 49:665
townsendii, Calif., distr., 41:366; behav., habitat, pop. size, identification, range, repro., 49:665
Arctocyon primaevus, 44:364
Arctophoca, 49:665
Ardynia, dent., 47:634
Argentina:
Akodon, 50:643
Artibeus lituratus, 47:235
Calomys, 41:518
Desmodus, 41:458
Dusicyon griseus, 47:536
Dusicyon gymnocercus, 47:536
Oryzomys flavescens, 46:99
Tadarida, 41:322
Arizona:
Antrozous, 41:510; 42:64, 69; 44:272, 478; 46:509
Antrozous pallidus, 44:131; 48:285; 50:729
Capybara, 42:572
Chiroptera, 45:238
Choeronycteris, 42:64, 404; 43:101; 44:272
Citellus, 41:517; 46:200
Conepatus, 42:421
Dasypterus, 42:97
Dipodomys, 41:48, 516
Eptesicus, 41:510; 42:64; 44:131, 272; 45:628; 46:509; 48:285
Erethizon dorsatum, 41:132; 47:122
Eutamias, 41:241
Eutamias cinereicollis, 50:642
faunal list, 42:116; 45:322
Idionycteris, 42:61
Lasionycteris noctivagans, 48:285
Lasiurus, 42:64; 44:272
Lasiurus ega, 47:126
Leptonycteris nivalis, 42:404
Leptonycteris sanborni, 47:126, 329
Lepus alleni, 47:122
Lepus californicus, 41:517
Lynx, 41:517
Macrotus, 42:404; 44:428, 543; 46:509
Macrotus waterhousii, 49:707
mammoth, 42:572
Microtus spp., 43:154
Microtus mexicanus, 43:303; 49:159
Mormoops, 42:404
Mus musculus, 47:733
Myotis, 41:16, 510; 42:64, 404; 43:199; 44:272, 279, 428; 45:472; 46:509; 48:284
Neotoma, 41:488
Notiosorex crawfordi, 47:345
Odocoileus hemionus, 47:122
Odocoileus virginianus, 47:122
Onychomys leucogaster, 47:613
Onychomys torridus, 47:613
Ovis, 41:523; 44:433; 46:524
Pecari, 42:425
Perognathus spp., 48:36
Perognathus penicillatus, 49:570
Peromyscus, 41:305, 517; 44:201
Pipistrellus, 42:64; 44:272; 46:270, 509; 48:285
Plecotus, 42:61, 97, 402, 538; 44:272; 45:472; 47:122; 48:285
prairie dog, 41:513
Sigmodon fulviventer, 50:333
Sigmodon hispidus, 50:810
Sigmodon minor, 50:375
Sigmodon ochrognathus, 41:462
Sorex, 42:96
Spermophilus spilosoma, 47:47
Sylvilagus, 41:517; 44:511, 514, 516
Tadarida, 41:265; 322, 510; 42:64, 67; 44:132, 272, 422, 428, 560; 46:509
Tadarida molossa, 47:122
Thomomys bottae, 49:1
Thomomys umbrinus, 41:517; 49:1
Urocyon, 41:517; 43:278
Vulpes, 43:432
Arkansas:
Cryptotis, 45:471
Eptesicus fuscus, 48:131
Felis concolor, 50:371
Glaucomys volans, 49:530
Lasionycteris noctivagans, 41:526; 48:130, 285
Lasiurus spp., 48:131
Microtus, 45:471
Myotis, 41:526
Myotis austroriparius, 47:324; 48:130
Myotis leibii, 48:666
Neotoma floridana, 49:530
Notiosorex crawfordi, 50:641
Nycticeius, 41:526; 45:152; 48:130, 285
Peromyscus, 45:471; 49:530
Peromyscus gossypinus, 46:100
Pipistrellus subflavus, 48:130
Pitymys, 45:471
Plecotus rafinesquei, 48:132
Reithrodontomys, 45:471
Sciurus carolinensis, 49:530
Sciurus niger, 49:530
Sigmodon, 45:471
Sorex, 41:526
Tadarida brasiliensis, 45:152; 48:130
Tamias striatus, 49:530
Armitage, K. B.:
Frequency of melanism in the golden-mantled marmot, 42:100
Curiosity behavior in some mustelids, 42:276
Armstrong, D. M.:
Noteworthy records of bats from Costa Rica, 50:810
Armstrong, F. H., and M. L. Johnson:
Noctilio leporinus in Hispaniola, 50:133

Arroyo-Salamán, J. F.:
(see Heatwole, H.)
Artibeus, capt., breed., diet, water consumption, 41:508; fd., 47:125; Jamaica, 47:361
aztecus, Mexico, 45:375
cinereus, 45:302; Mexico, 42:537; Colombia, 44:176; Trinidad, 44:396; Colombia, fd., 48:653; forearm meas., 49:155
cinereus aztecus, Mexico, distr., 42:536
hercules lituratus, Colombia, distr., 44:263
hirsutus, Mexico, 42:537; Sonora, repro., wt., distr., 46:331; coll., 46:497; Zacatecas, 49:743; brain size, 50:340
jamaicensis, 41:197; Morelos, Vera Cruz, preg., 41:508; capt. breed., 41:509; Mexico, 42:537; Colombia, meas., 44:175; Trinidad, 44:396; Brazil, habitat, 45:22; gls., 47:236; Colombia, fd., 48:643; Puerto Rico., fos., 49:407; Mexico, fd., act., 49:787; Hispaniola, 50:133
jamaicensis palmarum, Mexico, habitat, 44:53
jamaicensis triomylus, Zacatecas, 49:744
jamaicensis yucatanicus, Guatemala, 49:518
lituratus, 47:353; 49:676; Colombia, 43:422; coll., 47:230; Colombia, fd., 48:653; forearm meas., 49:156
lituratus fallax, hercules, lituratus, 47:235
lituratus palmarum, 47:235; Guatemala, 49:518; Zacatecas, 49:744
phaeotis phaeotis, Guatemala, 49:519
planirostris trinitatis, 41:184
toltecus, Mexico, 45:302, 375; Zacatecas, 49:744
trupis, Sinaloa, distr., 42:537
Arvicanthis niloticus, gls., 46:33
Arvicola, 47:229
amphibius, gls., 46:34; U. S. S. R., 47:354; seb. gls., 49:438
richardsoni, Mont., distr., ecol., 50:591
scherman, seb. gls., 49:438
sapidus, seb. gls., 49:438
terrestris, 47:210; distr., 42:105; Turkey, distr., 43:517; seb. gls., 49:438
Aschizomys lemminus, seb. gls., 49:436
Aschwanden, A. P.:
(see French, N. R.)
Aselliscus stoliczanus, Laos, meas., repro., 48:635
Asinohippus, 45:474
Aspect ratio, bats, 50:362
Astroconodon denisoni, fos., 50:102
Atallah, S. I.:
A new species of spiny mouse (Acomys) from Jordan, 48:258
Atchley, F. O.:
(see Auernheimer, A. H.)
Ateles, 44:215
geoffroyi, longev., 41:113; Oaxaca, 41:414
vellerosus, Oaxaca, 41:414
Atilax paludinosus, Mozambique, 46:259
Atopomys texensis, 46:466
Atwell, G.:
Wolf predation on calf moose, 45:313
Atwood, E. L.:
(see Eklund, C. R.)
Auernheimer, A. H., W. Cutter, and F. O. Atchley:
Electrophoretic studies on blood serum proteins of rodents, 41:405
Augee, M. L., and E. H. M. Ealey:
Torpor in the echidna, Tachyglossus aculeatus, 49:446
Aulerich, R. J., and D. R. Swindler:
The dentition of the mink (Mustela vison), 49:488
Aumann, G. D.:
Microtine abundance and soil sodium levels, 46:594
Aurochs, 47:209
Australia:
Acrobates, 41:263
Chalinolobus spp., 47:87
Dasycercus cristicauda, 50:633
Hydromys chrysogaster, 49:617
Kerivoula, 46:517
Leggadina, 50:617
Macropus, 45:429
Macropus eugenii, 50:631
mammal collection, 44:471
Oryctolagus cuniculus, 47:723
Phascolarctos, 42:396
Planigale ingrami, 50:616
Potorous, 41:441
Rattus culmorum, 50:617
Rattus fuscipes, 50:803
Rattus rattus, 50:487
Setonix brachyurus, 45:616; 49:124; 50:8
Tachyglossus aculeatus, 49:446
Trichosurus, 41:441
Zalophus, 42:548
Autry, D. C.:
(see Hawkins, R. E.)
Axis:
axis, West Pakistan, 48:403
porcinus, Md., 41:140; West Pakistan, 48:403
Azores, Physeter catodon, 47:142

B

Baade, R. T.:
(see Mathisen, O. A.)
Babirussa alfurus, longev., 41:113
Backus, R. H.:
Stranded killer whale in the Bahamas, 42:418
A large shark in the stomach of a sperm whale, 47:142
(see Schevill, W. E.)
Baculum:
Anisomys imitatior, 49:628
Clethrionomys, 49:40
Cyanopterus, 43:40; 48:494
Dipodomys, 41:495
Dobsonia, 43:39
Enhydra, 49:40
Eutamias, 41:236; 49:764
ground squirrels, 49:33
Harpionycteris, 43:41
Hydromys habbema, 49:628
Hyomys goliath, 49:629
Hyperacrius, 50:461
Leptomys elegans, 49:628

Lorentzimys nouhuysii, 49:629
Lutra, 43:40
Macroglossus, 43:41
Macruromys major, 49:629
Mallomys rothschildi, 49:629
Martes, 49:35
Mayermys ellermani, 49:628
Megachiroptera, 43:34; 48:494
Melomys rufescens, 49:629
Mephitis mephitis, 49:34
Mustela vison, 49:34
Myotis, 48:430; 49:113
Neotoma, 41:476
Nyctimene, 43:41
Ondatra, 43:145; 49:40
Parahydromys asper, 49:628
Paraleptomys wilhelmini, 49:628
Penthetor, 43:40
Peromyscus, 44:201; 49:32; 50:315
Phyllotis, 49:40
Poecilictis libyca, 41:138
Pogonomelomys, 49:629
Pogonomys, 49:628
Procyon lotor, 49:32
Pseudohydromys occidentalis, 49:628
Pteropus, 43:37; 48:494
Rattus niobe, 49:629
Rattus norvegicus, 49:32
Sciurus, 49:32
Sigmodon hispidus, 47:139
Styloctenium, 43:39
Syconycteris, 43:41
Taxidea taxus, 49:35
Thomomys, 49:42
Uromys caudimaculatus, 49:629
Vulpes, 49:33
Bader, R. S.:
A partition of variance in dental traits of the house mouse, 46:384
(see Wallace, J. T.)
Bader, R. S., and J. S. Hall:
Mammalian remains from an Indiana cave, 41:111
Baeodon alleni, Mexico, 45:375
Baer, G. M.:
A method for bleeding small bats, 47:340
(see Adams, D. B.)
Baffin Island, Vulpes, 45:138
Bahama Islands:
Balaenoptera acutorostrata, 48:483
Mus musculus, 47:733
Orcinus, 42:418
Bailey, E. D.:
The influence of social interaction and season on weight changes in woodchucks, 46:438
(see Gilbert, F. F.)
Bailey, J. A.:
Rate of food passage by caged cottontails, 49:340
Bailey, J. A., and R. E. Schroeder:
Weights of right and left adrenal glands in cottontails, 48:475
Bailey, J. A., and R. J. Siglin:
Some food preferences of young cottontails, 47:129
Bailey, J. R.:
(see Gordon, R. E.)
Baines, G. A.:
(see Fiscus, C. H.)
Baiomys, comp., 41:493; voice, 42:263
musculus, Mexico, 41:391
taylori, behav., 49:657
taylori paulus, ecol., 47:345
taylori taylori, Tex., 49:537
Bait:
method of carrying, 42:283
Microtus, 46:44
preferences of small mammals, 45:632
squirrels, 41:143
water, use of, 43:555
Baiyankamys, invalid tax., 49:610
Baja California:
Eptesicus, 45:489
Eschrichtius glaucus, 50:819
Eutamias merriami, 45:634
Lasiurus, 45:489
Leptonycteris sanborni, 47:329
Mirounga angustirostris, 50:639
Peromyscus spp., 49:496
Phoca vitulina, 48:249
Pizonyx, 45:489
Baker, J. K.:
Notes on the Myotis of Carlsbad Caverns, 43:427
Baker, R. H.:
Geoffroy's tailless bat in Durango, 41:511
Additional records of Notiosorex crawfordi from Mexico, 43:283
Further notes on the mammals of Durango, Mexico, 47:344
Records of opossum and kit fox from Zacatecas, 49:318
(see Heidt, G. A.)
Baker, R. H., and J. K. Greer:
Notes on Oaxacan mammals, 41:413
Baker, R. H., and M. K. Petersen:
Notes on a climbing rat, Tylomys, from Oaxaca, Mexico, 46:694
Baker, R. H., and C. J. Phillips:
Peromyscus ochraventer in San Luis Potosí, 46:337
Mammals from El Nevado de Colima, Mexico, 46:691
Baker, R. J.:
(see Nelson-Rees, W. A.)
Baker, R. J., and E. L. Cockrum:
Geographic and ecological range of the long-nosed bats, Leptonycteris, 47:329
Baker, R. J., and J. L. Patton:
Karyotypes and karyotypic variation of North American vespertilionid bats, 48: 270
Baker, R. J., and D. L. Spencer:
Late fall reproduction in the desert shrew, 46:330
Baker, R. J., and C. M. Ward:
Distribution of bats in southeastern Arkansas, 48:130
Baker, V. B.:
(see Baker, W. W.)
Baker, W. W., S. G. Marshall, and V. B. Baker:
Autumn fat deposition in the evening bat (Nycticeius humeralis), 49:314

Bakko, E. B., and L. N. Brown:
Breeding biology of the white-tailed prairie dog, Cynomys leucurus, in Wyoming, 48:100
Balaenoptera, sounds, 48:573
acutorostra, 49:328; pred., 46:341; Bahama Is., 48:483
borealis, 49:261; 49:794; 50:150; sounds, 48:573
musculus, 49:794; 50:15
mysticetus, 47:512; swimming, 42:419; Alaska, pop., 44:16
physalis, 44:19; 46:504; 49:794; 50:150; Me., 41:281; sounds, 48:573; abundance, 49:261
Balaniopteryx, Oaxaca, 41:414; orientation, 43:452
plicata, Mexico, distr., 42:536; Mexico, distr., 43:108, 450
Baldwin, D. H.:
(see Downing, S. C.)
Baldwin, H. A.:
(see Williams, M. W.)
Bali, faunal list, bats, 43:37
Balph, D. F.:
Underground concealment as a method of predation, 42:423
(see Balph, D. M.)
(see Knopf, F. L.)
Balph, D. M., and D. F. Balph:
Sound communication of Uinta ground squirrels, 47:440
Balser, D. S., and C. Kinsey:
A variable size anesthetizing chamber for animal handling, 43:552
Balser, D. S., and W. H. Longley:
Increase of the fisher in Minnesota, 47:547
Baltic Sea, Phocoena phocoena, 50:726
Bancroft, W. L.:
Record fecundity for Reithrodontomys megalotis, 48:306
Bandicota, gls., 46:33
Banding:
bats, 43:571
Chalinolobus dwyeri, 47:718
Eumops, 41:510
Myotis velifer, 46:613
Nycticeius humeralis, 48:136
Pipistrellus subflavus, 47:384
Tadarida, 43:54; 47:149
Band injury, Tadarida brasiliensis, 47:131
Banfield, A. W. F.:
The wood bison type specimen, 42:553
Banks, R. C.:
Range extensions for three bats in Baja California, Mexico, 45:489
Weight change in frozen specimens, 46:110
The Peromyscus guardia-interparietalis complex, 48:210
Banks, R. C., and R. L. Brownell:
Taxonomy of the common dolphins of the eastern Pacific Ocean, 50:262
Barbour, R. W.:
Some additional bat records from Kentucky, 44:122
(see Davis, W. H.)
(see Harvey, M. J.)
Barbour, R. W., W. H. Davis, and M. D. Hassell:
The need of vision in homing by Myotis sodalis, 47:356
Bardack, D.:
An attack by a grizzly bear, 48:479
Barkalow, F. S., Jr.:
A large cottontail litter, 42:254
The porcupine and fisher in Alabama archaeological sites, 42:544
A record gray squirrel litter, 48:141
Range extension and notes on the least weasel in North Carolina, 48:488
(see Smith, N. B.)
Barkalow, F. S., Jr., and J. B. Funderburg, Jr.:
Probable breeding and additional records of the seminole bat in North Carolina, 41:394
Barnes, A. M.:
(see Murray, K. F.)
Barnes, D. M.:
(see Mech, L. D.)
Barnes, V. J., Jr., and O. E. Bray:
Black bears use drainage culverts for winter dens, 47:712
Barnett, S. A., and R. C. Stoddart:
Effects of breeding in captivity on conflict among wild rats, 50:321
Barr, R. E., and X. J. Musacchia:
Breeding among captive Citellus tridecemlineatus, 49:343
Barr, T. C., Jr., and R. M. Norton:
Predation on cave bats by the pilot black snake, 46:672
Barrett, G. W.:
Bioenergetics of a captive least shrew, Cryptotis parva, 50:629
Barrigudo, 44:228
Bartholomew, G. A., and R. A. Boolootian:
Numbers and population structure of the pinnipeds on the California Channel Islands, 41:366
Bassariscus, 42:116
astutus, 49:144; Puebla, 41:519; Tex., desc., os clit., 46:523; Nev., distr., 47:351; hearing, 50:567
astutus arizonensis, Wyo., 42:275
astutus consitus, 46:692
astutus flavus, 42:275
astutus nevadensis, 42:275
Bat, free-tailed, Mexico, die-off, 46:333
Bat activity, 45:635; 46:356
Bat caves, Mo., 41:114; W. Va., 42:530; 44:131; Ky., flooding and mort., 46:96
Bat colony, atmosphere, 45:568
Bat homing, 44:130
Bat migration, Pa., 41:509
Bat movements, 46:616
Bat roosts, 44:428
Bat trap, 47:35
Batchelor, R.:
Evidence of yearling pregnancies in the Roosevelt elk, 44:111
Bateman, G. C.:
Abnormal coloration in the pocket mouse, Perognathus baileyi, 48:493

Batzli, G. O.:
Dispersion patterns of mice in California annual grassland, 49:239
Baudinette, R. V.:
(see Norman, F. I.)
Bauer, R., R. S. Peterson, and V. B. Scheffer:
Age of northern fur seal at completion of its first molt, 45:299
Bauerus, 45:474
Bawdon, E. D.:
A hermaphroditic kangaroo rat, 46:684
Bayrock, L. A., and J. M. Hillerud:
New data on Bison bison athabascae Rhoads, 45:630
Beach, F. A.:
Reproductive anatomy and mating behavior of an intersex rat, 44:57
Beal, R. O.:
(see Nixon, C. M.)
Beamys major, Nyasaland, habitat, 43:238
Bear, cinnamon, 42:254
Bear, G. D.:
(see Hansen, R. M.)
Beasley, A. B.:
(see Dunn, L. C.)
Beck, A. J., and R. L. Rudd:
Nursery colonies in the pallid bat, 41:266
Beck, D. E.:
(see Allred, D. M.)
Beck, L. R.:
(see Studier, E. H.)
Beckett, G.:
(see Perry, A. E.)
Beer, J. R.:
Hibernation in Perognathus flavescens, 42:103
Winter home ranges of the red-backed mouse and white-footed mouse, 42:174
Emergence of thirteen-lined ground squirrels from hibernation, 43:109
Bait preferences of some small mammals, 45:632
(see Davis, W. H.)
Beer, J. R., and C. F. MacLeod:
Seasonal reproduction in the meadow vole, 42:483
Behavior: (see also Habits)
Aepyceros, 43:375
Alces, 42:525
Antilocapra americana, partu., 47:708; terr., 50:81
Antrozous pallidus, 44:125; 50:730; to high temp., 48:52
Aplodontia, 46:707
Arctocephalus townsendi, repro., vocal., 49:669
Balaenoptera, 46:341
Blarina brevicauda, agonistic, 50:494
Boselaphus, 42:525
Bradypus griseus, 47:348
Callorhinus, 44:123
Canis, 42:109; 47:137, 143, 347
Centetes ecaudatus, 47:672
Citellus, "Davian", 41:403
Citellus armatus, 47:440
Citellus lateralis, foraging, 47:94; act., hiber., 47:297
Citellus tridecemlineatus, soc., escape, juv., 47:294
Cryptomys, 46:657
Dasycercus cristicauda, 50:633
Desmodus rotundus, transient, 50:233
Didelphis, 42:397; 48:486
Dipodomys, 41:48; 44:63, 423
Dipodomys deserti, repro., 42:413
Echinops, 47:674
Eidolon, 45:309
Enhydra, 42:271; 45:287
Eptesicus fuscus, colonial, 49:44
Eumops, 46:687
Eutamias minimus, foraging, 47:93; yg., 47:159
Eutamias quadrivittatus, maternal, 50:259
Felis leo, 44:110
Geomys bursarius, soc., 43:11; feed., grooming, 47:132
Gulo, 43:263
Globicephala, 41:342
Gorilla gorilla, aggressive, 47:123
Hemicentetes, 47:663
Hemiechinus auritus, rolling, 46:210
Hydrochoerus hydrochoeris, mating, 49:534
Lama guanicoe, thermoreg., 47:18
Lemmus lemmus, 47:491
Lepus americanus, 46:414; 47:543
Lepus townsendii, mating, 49:785
Macaca mulatta, diurnal act., 48:70; troop, 49:771
mammals, steppe, 47:208
Marmota monax, 44:115; 46:438; move., 47:103
Martes, 42:111
Mephitis mephitis, move., 47:705
Microtus, 42:37; 46:288; 50:637; aggressive, 43:351
Monachus schauinslandi, courtship, 49:231
Mus musculus, 43:133; aggressive, 45:23; soc. structure, 47:28; soc., 48:88; act., aggressive, 48:262; aggressive, 49:572
Mustela, 46:344
Mustela nivalis, mating, 49:413
Mustela vison, sexual, weaning, 50:742
Myotis lucifugus, flight, nursery colonies, 47:322
Myotis yumanensis, to high temp., 48:52
Nycticeius humeralis, partu., 48:2
Nyctomys sumichrasti, 46:182
Odocoileus, 42:522, 525; 43:462; 46:316
Odocoileus virginianus, 48:146
Onychomys, 41:99; burrowing, 46:245
Onychomys leucogaster, agonistic, 49:481
Onychomys torridus, parental, repro., 49:644
Orcinus, 46:341
Oreamnos, 45:551
Oryx, 43:98
Ovis, 44:116
Ovis canadensis, defense, 50:128
Paraechinus micropus, 46:210
Perognathus, 43:529; 44:63
Peromyscus, 43:351; 45:23, 199; yg., 49:500
Peromyscus leucopus, move., disper., 47:500

Peromyscus maniculatus, vocal., 47:287; aggressive, 47:522; fd. select., 48:147
Phoca vitulina, partu., 48:677
Phyllostomus, feed., 47:125
Pipistrellus, roost., 46:275; 46:703
Procavia capensis, 47:545
Procyon lotor, 47:450; 48:659
Rangifer, 46:350
rat, intersexed, 44:57
Rattus fuscipes, parental, 50:803
Rattus norvegicus, 50:49; breed., conflict, 50:321
Rattus rattus, 50:497
Reithrodontomys, 43:133
Sarcophilus harrisii, circadian act., 47:698
Sciurus, 44:274
sea lion, 41:347
Setifer, 47:674
Setonix brachyurus, 50:8
Sigmodon, 42:106; trap response, 47:118
Sorex araneus, agonistic, 50:494
Sorex cinereus, 47:184; agonistic, 50:497
Sorex vagrans, agonistic, 50:494
Spalax, 42:359
Stenella, 44:586
Sylvilagus, 43:542
Sylvilagus aquaticus, 50:832
Tadarida brasiliensis, high temp., 48:52
Taxidea taxus, 50:635
Thomomys, 41:469, 475; aggressive, 44:451
Thomomys talpoides, digging, 49:391
Tupaia montana, repro., soc., 49:503
Tursiops, 44:405
Tylomys, 46:694
Urocyon, 43:278
Ursus, 45:488
Vulpes, 42:109; 44:115
Zalophus californianus, 48:62
Belgian Congo, faunal list, 41:112
Belig, W. H.:
(see Abbott, H. G.)
Bell, J. F.:
(see Hoffmann, R. S.)
Bengal, Macaca, Presbytis, 45:443
Benirschke, K.:
(see Hsu, T. C.)
Benton, A. H.:
Waltzing in the red-backed mouse, 47:357
Benton, A. H., and H. J. Altmann:
A study of fleas found on Peromyscus in New York, 45:31
Berardius:
arnuxi, 48:651
bairdii, 50:150
Bergen, H. J.:
(see Shemanchuk, J. A.)
Berger, P. J., and G. B. Sharman:
Embryonic diapause initiated without suckling stimulus in the wallaby, Macropus eugenii, 50:630
Bermuda:
Lasionycteris, 42:531
Lasiurus, 42:531
Megaptera novaeangliae, 50:726
Bernard, R. F., and R. A. Gaertner:
Some effects of DDT on reproduction in mice, 45:272
Bettongia lesueuri, 50:8
Bhatnagar, K. P.:
Bacula of some Indian Megachiroptera, 48:494
Bieri, R. A.:
(see Parmalee, P. W.)
Biggers, J. D.:
Notes on reproduction of the woolly opossum (Caluromys derbianus) in Nicaragua, 48:678
Bingman, D. C.:
(see Hays, H. A.)
Bintz, G. L.:
Tissue catabolism by laboratory rats and Spermophilus lateralis during acute negative water balance, 50:355
Birch, J. B.:
(see Michael, E. D.)
Birney, E. C.:
(see Choate, J. R.)
(see Jones, J. K., Jr.)
Bison, 42:116; abnorm. dent., 47:514
antiquus, 47:726
bison, 50:837; Nev., 47:355; Tex., 48:145
bison athabascae, Nev., 42:280; Northwestern Territories, type, 42:553; Alberta, wt., 45:630; North America, ost., index, 47:725
bonasus, 47:209, 218, 725
latifrons, Pleist., 47:726
occidentalis, Iowa, distr., 42:94
priscus, Pleist., 47:726
Black, C. C.:
The fossil rodent genera Horatiomys and Palustrimus—juvenile geomyid rodents, 50:815
(see Doutt, J. K.)
Blanchard, H.:
Weight of a large fisher, 45:487
Blandfordimys, 49:442
Blanks, G. A., and H. S. Shellhammer:
Chromosome polymorphism in California populations of harvest mice, 49:726
Blarina, white-spotting, 41:506; N. Y., pop., 43:200; gls., 44:541
adamsi, fos., 49:251
brevicauda, 44:105; 45:31; 49:133, 158, 726; 50:154, 336; Ind., 41:111, 255; Wis., 41:263; range, 41:438; Mich., pop., 42:25; repro., 42:95; Minn., 42:177; Okla., distr., 42:235; Quebec, distr., 42:281; Ohio, dens., 42:497; Mich., act., 43:220, 282; prey, 43:417; Ill., mort., 43:422; Vt., molt, 43:423; alb., 43:424; N. Y., fd., 44:419; ectopar., 45:31; Vt., live trap, 45:144; Vt., 45:606, 627; hematologic values, 45:648; Manitoba, ecol., 47:181; gls., 48:420; repro. morph., 48:664; develop., 49:51; Vt., 49:93; repro., 49:205; abnorm. dent., 49:251; trap mort., 49:332; N. C., 49:539; Penn., maturation, breed., 50:272; behav., 50:494; vocal., 50:499; Ala., pred., 50:611
carolinensis, 41:255
kirtlandi, Ind., 41:255
Blessing, R. W.:
(see Smith, M. H.)

Blewett, C. H.:
(see Hall, J. S.)
Blood:
Citellus lateralis, 48:381
Desmodus rotundus, 44:556
Leptonychotes weddelli, lipids, 48:643
Myotis lucifugus, seas. changes, 48:132
small mammals, parameters influenced by size, season, sex, age, 45:598
Blus, L. J.:
Relationship between litter size and latitude in the golden mouse, 47:546
Blus, L. J., G. R. Sherman, and J. D. Henderson:
A noteworthy record of the swift fox in McPherson County, Nebraska, 48:471
Boice, R.:
Water intake as a function of ease of access in Neotoma, 50:605
Bolivia:
Artibeus lituratus, 47:235
Calomys, 41:518
Lagothrix, 44:229
Pseudoryzomys wavrini, 50:618
Uroderma bilobatum, 49:689, 693
Uroderma magnirostrum, 49:680
Bond, R.:
(see Miller, R. S.)
Bongardt, H.:
(see Marsh, R. E.)
Bongardt, H., V. B. Richens, and W. E. Howard:
Serum protein patterns in pocket gophers, 49:544
Bonobos, 41:112
Bookhout, T. A., and E. M. Harger:
An accurate, inexpensive scale for laboratory use, 45:313
Boolootian, R. A.:
(see Bartholomew, G. A.)
Borell, A. E.:
Fox squirrel attacks mourning dove, 42:101
Borneo:
Cynopterus, 43:40
Hylobates, 42:99
Lagenodelphis, 41:113
mammal collection, 44:471
Muntiacus, 45:492
Penthetor, 43:40
Tupaia montana, 49:502
Borut, A.:
(see Shkolnik, A.)
Bos, milk, 47:55
mutus, 47:209, 218
primigenius, 47:209, 218
taurus, East Africa, 43:78; antigens, 50:137
Boselaphus tragocamelus, 47:153; behav., 42:525; West Pakistan, 48:403
Bostelman, E.:
(see Lee, D. S.)
Bothma, J. du P.:
Behavior of a young Procavia capensis, 47:545
Color variation in Hyracoidea from southern Africa, 47:687
Bovet, J.:
Trails of deer mice (Peromyscus maniculatus) traveling on the snow while homing, 49:713
Bowere, J. R., and G. L. Kirkland, Jr.:
Observations on an anomalous fox squirrel, 49:345
Brachylagus idahoensis, 44:2
Brachyphyllum cavernarum, flight, 42:153; Puerto Rico, fos., 49:406
Brachytarsomys, 49:442
Bradley, W. G.:
An albino pocket gopher, 44:261
Status of the cotton rat in Nevada, 47:349
Food habits of the antelope ground squirrel in southern Nevada, 49:14
(see Deacon, J. E.)
(see O'Farrell, M. J.)
Bradley, W. G., and R. A. Brechbill:
Evidence for modern Bison in southern Nevada, 47:355
Bradley, W. G., and M. J. O'Farrell:
The mastiff bat, Eumops perotis, in southern Nevada, 48:672
Bradshaw, G. V.:
New Arizona locality for the dwarf shrew, 42:96
Bradshaw, G. V., and B. Hayward:
Mammal skulls recovered from owl pellets in Sonora, Mexico, 41:282
Bradshaw, W. N.:
Progeny from experimental mating tests with mice of the Peromyscus leucopus group, 49:475
Bradshaw, W. N., and W. A. George, Jr.:
The karyotype in Peromyscus maniculatus nubiterrae, 50:822
Bradypus griseus, behav., 47:348
Brain:
bats, size, 50:340
microtine rodents, colloid deposits, 50:21
Brand, L. R., and R. E. Ryckman:
Laboratory life histories of Peromyscus eremicus and Peromyscus interparietalis, 49:495
Biosystematics of Peromyscus eremicus, P. guardia, and P. interparietalis, 50:501
Brandon, R. A.:
Observations of young Keen bats, 42:400
Branick, L. P.:
(see Stones, R. C.)
Brattstrom, B. H.:
Longevity in the kangaroo rat, 41:404
Sloth behavior, 47:348
Brattstrom, B. H., A. J. Stabile, F. R. Williams, J. D. Lauiers, and D. Pope:
Body temperature of Indian elephants, 44:282
Braun, C. E., and R. G. Streeter:
Observations on the occurrence of white-tailed jackrabbits in the alpine zone, 49:160
Bray, O. E.:
(see Barnes, V. J., Jr.)
Brazil:
Anoura caudifer, 47:230
Calomys, 41:517
faunal list, bats, 44:21
Galea, 45:315

Lagothrix, 44:227, 229, 235
Leontideus, 41:113
Macrophyllum, 44:588
Uroderma bilobatum, 49:689
Uroderma magnirostrum, 49:681
Breakey, D. R.:
The breeding season and age structure of feral house mouse populations near San Francisco Bay, California, 44:153
Brechbill, R. A.:
(see Bradley, W. G.)
Breeding:
Aepyceros melampus, 43:375
Artibeus jamaicensis, 41:508
Blarina brevicauda, 47:181; 49:209; 50:272
Capra ibex, 45:629
Citellus tridecemlineatus, 47:300; 49:343
Chiropodomys gliroides, 48:20
Cynomys leucurus, 48:100
Dipodomys deserti, 42:413
Dipodomys merriami, 41:48; 47:421
Dipodomys ordi, 42:337
Geomys bursarius, 43:1
Hemiechinus auritus, 41:386; 42:398
Lagurus curtatus, 42:489
Lasiurus seminolus, 41:394
Lemmus lemmus, 43:176
Lepus americanus, 48:327
Liomys pictus, 47:412
Lophuromys flavopunctatus, 45:345
mammals, India, 41:386
Microtus pennsylvanicus, 42:488; 44:467
Mus musculus, 48:88
Mustela vison, 48:113
Myotis sodalis, 41:512
Neotoma cinerea, 43:328
Noctilio spp., 49:310
Odocoileus virginianus, 43:112
Ototylomys phyllotis, 50:37
Paraechinus micropus, 41:386; 42:398
Perognathus spp., 47:412
Peromyscus crinitus, 42:489
Phocoena phocoena, 49:262
Rattus norvegicus, 50:321
Reithrodontomys megalotis, 42:489
Scapanus townsendii, 47:239
Sciurus carolinensis, 48:328
Setonix brachyurus, 45:616
Sorex spp., 47:181
Spermophilus beecheyi, 49:781
Thylacinus cynocephalus, 42:396
Vampyrum spectrum, 49:339
Brenner, F. J.:
Tularemia in Pennsylvania beaver, 41:404
A three-year study of two breeding colonies of the big brown bat, Eptesicus fuscus, 49:775
(see Hall, J. S.)
Breviodon, tax., dent., 47:632
Bridgwater, D. D., and D. F. Penny:
Predation by Citellus tridecemlineatus on other vertebrates, 47:345
Brisbin, I. L., Jr.:
Energy-utilization in a captive hoary bat, 47:719
British Columbia:
Eumetopias jubata, 47:157
Felis concolor, 44:586
Grampus griseus, 47:341
Mus musculus, 47:519
Odocoileus, 42:522
Orcinus orca, 50:726
Oreamnos americanus, 48:242
Peromyscus maniculatus, 44:180; 47:519; 48:591
Peromyscus oreas, 44:180
Scapanus, 47:239
British Guiana:
Holochilus, 43:369
Macrophyllum, 44:588
Uroderma bilobatum, 49:689
British Honduras:
Cryptotis mayersis, 49:796
Ototylomys phyllotis, 50:40
Uroderma bilobatum, 49:697
Brittany, Ondatra, 44:574
Broadbooks, H. E.:
California ground squirrel invades Washington, 42:257
The funnel-eared bat in Sonora, 42:403
Homing behavior of deer mice and pocket mice, 42:416
Brock, E. M.:
(see Howard, W. E.)
Bromley, P. T.:
Territoriality in pronghorn bucks on the National Bison Range, Moiese, Montana, 50:81
Bronson, F. H.:
Daily and seasonal activity patterns in woodchucks, 43:425
Brown, A.:
(see Hill, J. E.)
Brown, D. H.:
Behavior of a captive Pacific pilot whale, 41:342
Brown, E. B., III, W. R. Saatela, and W. B. Schmid:
A compact, lightweight live trap for small mammals, 50:154
Brown, J. H.:
Activity patterns of some neotropical bats, 49:754
Brown, J. H., and C. F. Welser:
Serum albumin polymorphisms in natural and laboratory populations of Peromyscus, 49:420
Brown, L. N.:
Sorex longirostris in southwestern Missouri, 42:527
Notes on the distribution of Peromyscus nuttalli flammeus and Peromyscus maniculatus ozarkiarum, 44:424
Ecology of three species of Peromyscus from southern Missouri, 45:189
Dynamics in an ecologically isolated population of brush mouse, 45:436
First record of Microtus ochrogaster from Arkansas, 45:471
Breeding records and notes on Phenacomys silvicola in Oregon, 45:647
Abert's squirrel in southern Wyoming, 46:516

Ecological distribution of six species of shrews and comparison of sampling methods in the central Rocky Mountains, 48:617
Smallness of mean litter size in the Mexican vole, 49:159
Reproductive characteristics of the Mexican woodrat at the northern limits of its range in Colorado, 50:536
(see Bakko, E. B.)
Brown, L. N., and C. H. Conway:
Persistence of corpora lutea at the end of the breeding season in Peromyscus, 45: 260
Brown, L. N., and R. B. McMillan:
Meadow jumping mouse in southern Missouri, 45:150
Brown, L. N., and D. Metz:
First record of Perognathus flavescens in Wyoming, 47:118
Brown, W. H.:
(see Stull, J. W.)
Brown, W. H., J. W. Stull, and L. K. Sowls:
Chemical composition of the milk fat of the collared pecarry, 44:112
Brownell, R. L., Jr.:
Pygmy sperm whale in the Gulf of California, 50:356
(see Banks, R. C.)
Brumleve, S. J., and X. J. Musacchia:
A study of some lipids in tissues of the opossum, 41:311
Buchanan, G. D.:
Probable delayed implantation in Bennett's wallaby, 44:430
Buchanan, O. M., and T. R. Howell:
Zoogeography of Scotinomys in middle America, with a description of a new subspecies from Nicaragua, 48:414
Buckley, J. L.:
(see Geist, O. W.)
Buckner, C. H.:
The pale big brown bat in Manitoba, 42:529
Populations and ecological relationships of shrews in tamarack bogs of southeastern Manitoba, 47:181
Some aspects of the population ecology of the common shrew, Sorex araneus, near Oxford, England, 50:326
Buffalo:
giant-horned, Africa, 47:725
water, 43:515
Bulgaria:
faunal list, bats, 45:152
Sorex araneus, 44:523
Bunophorus:
etsagicus, Wyo., 47:487; fos. tarsi, 49:297
sinclairi, Wyo., desc., 47:487
Burge, B. L.:
Vaginal casts passed by captive porcupine, 47:713
Burkholder, B. L.:
Observation concerning wolverine, 43:263
Burns, J. J.:
(see Marks, S. A.)
Burrows:
Beamys, 43:243
Citellus tridecemlineatus, 46:81; 47:314
Condylura cristata, 47:538
Cryptomys, 46:650
Geomys bursarius, 42:171
Holochilus, 43:369
mammals, steppe, 47:211
Onychomys, 46:242
Oryctolagus cuniculus, 47:723
Peromyscus polionotus, 47:433
pocket gopher, 43:263
Spalax, 42:359
Taxidea, 42:423
Thomomys bottae, 47:720
Thomomys talpoides, 41:469; 42:171
Burt, W. H.:
A fauna from an Indian site near Redington, Arizona, 42:115
Bushbaby, lesser, 47:285
Buss, I. O.:
(see Johnson, O. W.)
(see Krumrey, W. A.)
Buss, I. O., and A. Wallner:
Body temperature of the African elephant, 46:104
Butterworth, B. B.:
The cricetid mouse, Calomys, from Venezuela, 41:517
The breeding of Dipodomys deserti in the laboratory, 42:413
Postnatal growth and development of Ursus americanus, 50:615
(see Chew, R. M.)

C

Cabrera, A., obit., 41:541
Caching, tree, Sciurus carolinensis, 41:125
Cages, small mammal, 41:284; Microtus, 49: 322
Calcaneum, Pitymys, 46:93
Calcar, Myotis, 48:423
Calculi, urinary, Odocoileus, 43:268
Caldwell, D. K.:
Notes on the spotted dolphin in the Gulf of Mexico, 41:134
The harbor seal in South Carolina, 42:425
Tusk twinning in the Pacific walrus, 45:490
Caldwell, D. K., and M. C. Caldwell:
The harbor seal, Phoca vitulina concolor, in Florida, 50:379
Gray's dolphin, Stenella styx, in the Gulf of Mexico, 50:612
Addition of the leatherback sea turtle to the known prey of the killer whale, Orcinus orca, 50:636
Caldwell, D. K., and D. S. Erdman:
The pilot whale in the West Indies, 44:113
Caldwell, D. K., A. Inglis, and J. B. Siebenaler:
Sperm and pigmy sperm whale stranded in the Gulf of Mexico, 41:136
Caldwell, L. D.:
An investigation of competition in natural populations of mice, 45:12
Marsh rabbit development and ectoparasites, 47:527
(see Golley, R. B.)

Caldwell, M. C.:
(see Caldwell, D. K.)
California:
Ammospermophilus, 45:212
Antilocapra, 43:415
Antrozous pallidus, 48:42; 50:732
Aplodontia, 41:120; 42:411
Arctocephalus, 41:366
Balaenoptera, 46:504
Callorhinus, 41:366
Canis, 42:109, 505; 44:109
Cervus, 46:347
Citellus, 41:391; 45:208
Dipodomys, 41:126, 391; 45:208; 48:624
Enhydra, 42:271; 45:287
Equus, 46:347
Eschrichtius, 42:108; 46:504; 49:327; 50:818
Eumetopias, 41:366; 47:195
Eutamias, 45:359; 49:764
Glaucomys, 41:270
Globicephala, 41:342
Grampus griseus, 47:341
ground squirrel, 48:530
Histriophoca, 45:416
Hydrodamalis gigas, 48:143
Lagenorhynchus obliquidens, 41:342; 42:107; 49:328
Lagurus, 42:489
Lasiurus borealis, 42:67
Lasiurus cinereus, 45:461; 47:533
Lepus, 41:513; 44:511, 514
Lepus townsendii, 49:785
Macrotus waterhousei, 49:707
Marmota flaviventris, 50:756
Megaptera novaeangliae, 50:726
Microtus, 42:37, 102; 43:105, 416, 555; 45:177; 46:403, 436
Microtus californicus, 41:58; 49:239
Microtus montanus, 44:467
Mirounga angustirostris, 41:366; 50:639
Mus, 43:133, 416; 44:153; 45:177; 47:733; 48:677; 49:149
Mustela frenata, 49:157
Myotis, 41:16; 43:196
Myotis thysanodes, 48:235
Myotis yumanensis, 48:52
Neotoma, 41:391; 46:340
Neotoma fuscipes, 50:43
Neotoma lepida, 50:45
Ochotona princeps, 48:311
Odocoileus, 44:519
Ondatra, 45:480
Onychomys, 41:391; 45:212
Orcinus orca, 49:327
Perognathus, 41:391; 45:211; 46:478
Perognathus longimembris, 47:413
Peromyscus, 41:391; 42:489; 43:416
Peromyscus eremicus, 49:495
Peromyscus maniculatus, 48:591; 49:239
Phenacomys, 43:486
Phoca, 41:366
Physeter, 46:504; 50:726
Rattus, 42:268
Reithrodontomys, 41:58; 42:489; 43:105, 133; 45:177; 48:555
Reithrodontomys megalotis, 47:54; 49:239, 726
Scapanus, 47:239; 48:480
Sigmodon hispidus, 47:349
Sorex, 42:455; 43:416
Spermophilus, 46:446; 50:649
Spermophilus beecheyi, 49:781
Sylvilagus, 46:347
Tadarida brasiliensis, 48:52
Taxidea, 42:275
Thomomys, 41:391; 42:167, 258
Thomomys umbrinus, 44:453, 578; 49:545
Tursiops, 44:424
Vulpes, 42:109; 48:219
Zalophus californianus, 41:366; 47:195; 49:156
Callithrix, repro., 41:401
Callorhinus, 44:281; 49:669; Calif., distr., 41:366
ursinus, 42:218, 224; 47:195; 48:63; Northwest Territories, 41:277; North Pacific, meas., 42:549; Alas., 43:68; Alas., overland migr., 44:122; Japan, anat., 44:349; Alas., molt, 45:299; sexual dimorphism, laryngeal size, 47:143; Canada, distr., 47:511; morph., 48:144; meas., 48:459
Calomys laucha, Venezuela, distr., habitat, emb., yg., meas., 41:517
Caluromys derbianus, 50:347; repro., act., 48:678; lit. size, 48:680; repro., 49:320
Calvert, L. L.:
(see Mumford, R. E.)
Cameron, A. W.:
Mammalian zoogeography of the Magdalen Islands Archipelago, Quebec, 43:505
(see MacLeod, C. F.)
Cameron, D. M., Jr.:
Gestation period of the golden-mantled ground squirrel (Citellus lateralis), 48:492
Campbell, D. L.:
(see Dodge, W. E.)
Campeche, Ototylomys phyllotis, 50:38
Canada:
Callorhinus ursinus, 47:511
Eptesicus, 46:333
Odobenus rosmarus, 47:506
Phoca vitulina, 48:249
Phocoena phocoena, 50:653
Thalarctos maritimus, 48:469
Canal Zone, Bradypus griseus, 47:348
Canimartes cookii, idahoensis, Ida. Plio., syst., 48:293
Canis, 41:361; 42:116; 43:455; Conn., hybrid, 43:110
armbrusteri, Md., 42:507
aureus, 48:200; U. S. S. R., 47:353; West Pakistan, 48:400
caneloensis, 42:503
familiaris, 46:417; 50:830; Penn., 42:117; R. I., 43:266; Penn., fos., 43:456; Ontario, 46:255; Tokelau Is., 47:703; Johnston Atoll, 47:728; hearing, 50:567
irvingtonensis, Calif., comp., 42:505
latrans, 42:510; 43:455; 44:109; 46:417; 49:770; 50:830, 838; New England, 41:

278, 361; Kan., fos., 41:363; Puebla, 41:519; Calif., behav., 42:109; alb., 42:275; Colo., N. Mex., Wyo., 42:508; Ida., abnorm. dent., 45:483; Mich., 45:645; Mich., 46:498; hunting behav., fd., 47:137; unusual association, 47:143; Mich., alb., melanism, 47:339; prey size, 47:605; hearing, 50:567
latrans *harriscrooki*, Tex., dent., 42:505
latrans mearnsi, Nev. ecol., 45:397
lepophagus, 42:507
lupus, 47:210; 49:759; 50:838; speed, 41:112, 361; Ohio, 42:420; comp., 42:508; Alas., 43:264, 455; Calif., status, 44:109; Alas., behav., 45:304; Alas., pred., 45:313; appearance, 46:350; Ontario, 46:354; Minn., hunting behav., 47:347; U. S. S. R., 47:353; prey size, 47:605; Alaska Peninsula, Aleutian Is., 48:125; West Pakistan, 48:400; Mont., distr., 50:593
lupus baileyi, body temp., 49:329
lupus hudsonicus, Northwest Territory, move., 43:270
lupus lycaon, Ohio, 42:420; N. Y., distr., 50:384
mesomelas, 48:200
niger, comp., 42:508
orcutti, Wis., 42:508
Cannibalism, Felis concolor, 44:586
Cantor, L. C.:
(see Nash, D. J.)
Cantwell, R. J.:
Sigmodon from the Tusser locality, 111 Ranch, Arizona, 50:375
Capra ibex sibirica, breeding, 45:629
Capreolus capreolus, 47:210; 50:303; castration, 45:66
Caprolagus, tooth patt., 44:1
Capromys pilorides, gls., 46:31
Captivity:
Antrozous pallidus, 50:370
Artibeus, 41:509
Blarina, 46:424
Cryptotis, 44:427
Desmodus, 42:449; 43:17
Dipodomys, 42:413
Eptesicus fuscus, 50:370
Feresa attenuata, 46:451
Giraffa, 42:427
Helarctos, 42:427
Hippopotamus, 42:427
Holochilus, 43:369
Lasiurus borealis, 50:370
Microtus, 46:434
Myotis, 46:18
Noctilio labialis, 50:370
Odocoileus, 43:462
Onychomys, 41:99
Oryx, 43:98
Peromyscus, 45:387
Pipistrellus, 50:370
Pizonyx, 46:497
Plecotus, 50:370
Tamias, 41:122
Tarsius, 41:512
Thomomys, 44:451
Ursus, 42:427
Vampyrum spectrum, 49:339
Capybara, Ariz., fos., 42:572
Caravan formation, Suncus murinus, 49:58
Caribbean, Desmodus, 41:458
Caribou, 41:218; 43:263, 270; 45:304; Alas., 47:348
Carleton, W. M.:
Food habits of two sympatric Colorado sciurids, 47:91
Carlson D. E.:
A red fox fatality by self-entrapment, 45:318
Carlson, F. W.:
(see Muul, I.)
Carmon, J. L.:
(see Golley, F. B.)
Carmon, J. L., F. B. Golley, and T. E. Kennedy:
A rapid technique for identifying young mice, 45:306
Carollia:
castanea, forearm meas., 49:155
perspicillata, 41:184; 47:235; 50:808; flight, 41:268; Oaxaca, 41:414; Colombia, 43:422; Colombia, meas., 44:173; Colombia, distr., 44:263; Trinidad, 44:396; Venezuela, 48:465; Colombia, fd., cannibalism, 48:653; forearm meas., 49:155; Guatemala, comp., 49:518
subrufa, Guatemala, comp., 49:518
Carpitalpa arendsi, 41:112
Carsen, R. A.:
(see Mitchell, O. G.)
Carter, D. C.:
(see Davis, W. B.)
Casebeer, R. S., R. B. Linsky, and C. E. Nelson:
The phyllostomid bats, Ectophylla alba and Vampyrum spectrum, in Costa Rica, 44:186
Castell, D. D.:
A white cottontail rabbit, 42:541
Cottontail with a prolapsed uterus, 47:141
Castor, 42:116
californicus, 50:653
canadensis, 48:287; 50:837; Ind., 41:257; Me., 41:416; Nebr., distr., 42:93; Penn., 42:117; R. I., 43:266; Ontario, 46:354; Canada, terr., pop. regulation, 49:759; winter lodge temp., 50:134; abnorm. dent., 50:652
fiber, 47:210
Castorides ohioensis, Wis., fos., 50:826
Catabolism, Spermophilus lateralis, tissue, 50:355
Catlett, R. H., and R. Z. Brown:
Unusual abundance of Peromyscus at Gothic, Colorado, 42:415
Catlett, R. H., and H. S. Shellhammer:
A comparison of behavioral and biological characteristics of house mice and harvest mice, 43:133
Cattle, 43:78; 47:213; intestinal flora, 47:720; pasture, 48:196
Caughley, G.:
Social organization and daily activity of the

red kangaroo and the grey kangaroo, 45:429
Cave deposits, N. Mex., Notiosorex, Sorex, 46:206
Cave habitats, Tadarida brasiliensis, 44:560
Cavia, dent., 43:310
Cawein, M. J.:
(see Davis, W. H.)
Cebus, 44:227
fatuellus, longev., 41:114
paraguayensis, longev., 41:114
Celebes, faunal list, bats, 41:113; 43:41
Centetes ecaudatus, fd., distr., habitat, act., pel., behav., repro., 47:660
Central America, coll., 44:471
Centurio senex, 50:809; El Salvador, Honduras, Mexico, 45:375; Guatemala, 49:519; Honduras, 50:821
Cephalomys, dent., 43:310
Cephalophus, 47:124
Ceratogaulus rhinocerus, 47:406
Ceratomorpha, tax., 47:631
Ceratotherium, dent., 47:637
Cercaertus nanus, torpor, 50:555
Cercocebus torquates atys, 49:547
Cercopithecus, 43: 169; 47:124
aethiops, 42:152; blood, 49:547; West Indies, repro., 50:833
aethiops rufoviridis, Mozambique, meas., 46:259
diana, longev., 41:113
doggetti, Uganda, 41:400
kaudti, Uganda, 41:400
mitis, Uganda, distr., 41:400
mitis erythrarchus, Mozambique, 49:119
stuhlmanni, Uganda, 41:400
Cervus, 44:83; 50:838
canadensis, 43:468; 44:87; 47:153; Ind., 41:111; Iowa, distr., 42:94; R. I., 43:266; Mont., abnorm. antlers, 44:261; Fla., Pleist., 44:373, 393; Nev., ecol., 45:397; Mich., 46:498; fetus resorption, 47:332; Mich., vestigial premolar, 47:514; molar, 49:524; New Zealand, 49:525; Colo., physiol., 49:762; Colo., electrocardiograph, 49:790; canine, histol., anat., 50:350; drowning, 50:640
canadensis nelsoni, 44:111
canadensis roosevelti, Alas., repro., 44:111
dama, castration, 45:66
elaphus, 50:308; repro., 42:124; behav., 42:525; castration, 45:66; New Zealand, anom., 45:480; accessory corpora lutea, ovaries, 47:152; molar dupl., 49:524; New Zealand, 49:525
nannodes, Calif., fos., 46:347
nippon, Md., Va., 41:140
Ceylon, faunal list, bats, 50:835
Chabreck, R. H.:
Daily activity of nutria in Louisiana, 43:337
Chalinolobus:
dwyeri, distr., tax., 47:89; New South Wales, roosts, repro., age classes, banding, facial gls., 47:718
gouldi, 47:86
morio, distr., desc., tax., 47:87; facial gls., 47:718
nigrogriseus, distr., tax., 47:88
picatus, 47:716; desc., tax., 47:87
rogersi, 47:89
tuberculatus, New Zealand, 48:487
Chasmotherium, tax., dent., 47:632
Cheetah, locomotion, 42:84
Chesmore, D. L.:
Occurrence of moose near Barrow, Alaska, 49:528
Chew, R. M.:
Porcupines in the Chiricahua Mountains, southeastern Arizona, 41:132
Chew, R. M., and B. B. Butterworth:
Ecology of rodents in Indian Cove (Mojave Desert), Joshua Tree National Monument, California, 45:203
Chew, R. M., R. G. Lindberg, and P. Hayden:
Circadian rhythm of metabolic rate in pocket mice, 46:477
Chew, R. M., and H. E. White:
Evaporative water losses of the pallid bat, 41:452
Chiapas:
Anoura, 41:511
Artibeus jamaicensis, 49:787
faunal list, bats, 48:285
Microtus guatemalensis, 48:320
Ototylomys phyllotis, 50:38
Rheomys thomasi, 49:552
Chiasson, R. B.:
A Pleistocene record of Zalophus from Mexico, 42:547
Chihuahua:
Myotis, 41:16
Sigmodon, 41:462
Sylvilagus, 44:511
Chile:
Felis, 46:507
Myotis chiloensis, 48:487
Tadarida, 41:322
Chilonycteris, Jamaica, 47:351
parnellii fusca, Venezuela, 48:465
personata, Mexico, habitat, 44:47; Venezuela, 48:465
psilotis, Honduras, 50:819
rubiginosa, 41:185; Mexico, habitat, 44:45
Chilotherium, dent., 47:637
China, mammal coll., 44:471
Chionomys nivalis, repro., 43:502
Chipman, R. K.:
Cotton rat age classes during a population decline, 47:138
Shedding of the vaginal epithelium of the cotton rat, 48:308
Chiroderma, Mexico, 42:537
salvini, forearm meas., 49:155; Honduras, 50:820
scopaeum, Zacatecas, 49:744
villosum, Brazil, 44:22; Trinidad, 44:396
villosum jessupi, Mexico, 45:375; Costa Rica, 50:809
Chiropodomys gliroides, Malaysia, gls., histol., 47:332; Malaysia, breed., lit. size, 48:20; estrous cycle, gest., growth, 48:21
Chlorotalpa arendsi, 41:112

Choate, J. R.:
Dental abnormalities in the short-tailed shrew, Blarina brevicauda, 49:251
Choate, J. R., and E. C. Birney:
Sub-Recent Insectivora and Chiroptera from Puerto Rico, with the description of a new bat of the genus Stenoderma, 49:400
Choeromys harrisoni, dent., 43:310
Choeroniscus, 47:231; Colombia, 46:704
godmani, Mexico, distr., 43:102; Honduras, 50:820
minor, 46:704
Choeronycteris, 50:344
mexicana, 46:356; 47:353; 49:743; Ariz., 42:64, 404; flight, 42:153; Ariz., yg., habitat, 43:101; Ariz., 44:272; Honduras, 45:375; act., 45:635; Sonora, 46:331
Cholesterol, Didelphis, 41:311
Christian J. J.:
Selective feeding on dandelion roots by muskrats, 45:147
Adrenal weight in prairie deer mice (Peromyscus maniculatus bairdii) and white-footed mice (Peromyscus leucopus noveboracensis), 48:598
Maturation and breeding of Blarina brevicauda in winter, 50:272
(see Lloyd, J. A.)
(see Snyder, R. L.)
Christian, J. J., and D. E. Davis:
Adrenal glands in female voles (Microtus pennsylvanicus) as related to reproduction and population size, 47:1
Chromosomes:
Citellus beldingi, 47:580
Eutamias spp., 50:524
Macrotus waterhousii, 49:706
Perognathus spp., 48:30
Peromyscus nuttalli, 48:637
Reithrodontomys megalotis, 49:726
Sigmodon fulviventer, 50:333
Sigmodon hispidus, 50:810
Spermophilus spp., 47:46, 579
Spermophilus richardsoni, 47:580; 49:312
Thomomys, 49:7
Chrotopterus auritus, Mexico, 45:375; distr., roosts, fd., 47:125; pred., 48:319; Guatemala, 49:517
Chrysochloris stuhlmanni, 41:112
Church, R. L.:
Evaporative water loss and gross effects of water privation in the kangaroo rat, Dipodomys venustus, 50:514
Churcher, C. S.:
Cranial variation in the North American red fox, 41:349
Mammals at Fort Albany circa 1700 AD, 46:354
Circulation, carotid, Aplodontia rufa, 50:1
Citellus (see also Spermophilus), 42:116; 47:208; 48:40, 122, 637; Ariz., phys., 41:407; nomen., 41:538, 545; trap records, 42:513; brown fat, hiber., temp. response to fat implants, 43:13; hiber., 45:122; heart rate, 45:124; pituitary, 47:397
armatus, 42:173, 423; 49:558; as fd., 42:516; pred., behav., communication, 47:440
beecheyi, temp., 41:114; Calif., embalming, 41:391; comp., 45:84; sound, 47:446; Wash., 48:257
beldingi, adrenal size, 49:472
citellus, 47:210; comp., 45:84
columbianus, 42:557; Mont., prey, 45:476; blood, 45:602; sound, 47:447
dauricus, 47:210
erythrogenys, 47:210
franklini, 43:13; Alberta, in hare runways, 47:541
fulvus, 47:210; comp., 45:84
harrisi, Ariz., habitat, 41:517; repro., 46:203
intermedius, 47:210
lateralis, 48:106; Colo., 42:173; Wash., 42:258; as fd., 42:517; Calif., physiol., 45:359; hiber., arousal, 47:297; sound, 47:447; gest., 48:492; hiber., lactate conc., 49:541; vocal., 49:558; hiber., habituation to stimuli, 49:561
lateralis caryi, as fd., 42:516
lateralis certus, Nev., ecol., 45:397
lateralis lateralis, 45:602; fd., behav., 47:91
lateralis tescorum, locomotor act., hiber., body wt., seas. var., photoperiodism, 47:63
leucurus, 48:60; temp., 41:114; Calif., 41:391; drinking, 43:416
leucurus leucurus, Nev., ecol., 45:397
major, 47:210
mohavensis, Calif., 41:391
parryi, 42:202
pygmaeus, 47:210; comp., 45:84
relictus, 47:210
rexroadensis, Kans., Okla., tax., distr., 42:477
richardsoni, S. D., behav., 41:403; Colo., 42:173; Alberta, trapping, 49:553
richardsoni richardsoni, N. D., flood toler., 47:323
spilosoma, Colo., 42:171; Tex., alb., 44:574
spilosoma marginatus, Okla., 42:237
suslicus, 47:210
tereticaudus, 46:478; repro., 46:201
townsendi, Wash., 42:258
tridecemlineatus, 42:202; 43:13; 46:492; 48:656; Minn., behav., 41:403; Colo., 42:173; N. D., melanism, 43:107; Minn., hiber., 43:109; Wis., life hist., 46:76; Mich., 46:345; capt., birth, 46:521; pop. dynamics, hiber., ecol., repro., act., 47:294; pred., 47:345; capt., breed., 49:343; adrenal wt., 49:471
tridecemlineatus texensis, Okla., 42:237
undulatus, 47:210; 48:106; Unalaska Is., 48:123
variegatus, 47:97; Nev., ecol., 45:397
Claenodon procyonoides, 44:364
Clancy, T. B.:
(see Martin, R. L.)
Clark, D. L.:
Fertility of a Peromyscus maniculatus × Peromyscus melanotis cross, 47:340
Clark, L. D.:
Behavioral characteristics of the orange-tan

mutant of Peromyscus maniculatus sonoriensis, 47:522
Clark, T. W., and D. D. Skryja:
Postnatal development and growth of the golden-mantled ground squirrel, Spermophilus lateralis lateralis, 50:627
Clark, W. R.:
(see Marsh, R. E.)
Clemens, W. A.:
(see Camp, C. L.)
Clethrionomys, 49:247; N. Y., pop., 43:200; thermoreg., 47:292; bacu., 49:50
caesarius, seb. gl., 49:436
gapperi, 42:265; 44:270; 45:604; 49:133, 158, 332, 520, 774; 50:154, 812; Minn., winter range, 42:174; Manitoba, 42:194; fd., 42:240; Mass., 42:263; Quebec, 42:282; Colo., 42:415; repro., 43:494; New Brunswick, 44:278; Mass., habitat, 44:415; N. C., 44:581; Wyo., Colo., fd., 45:267; Colo., 45:612; Vt., 45:627; gls., 46:32; N. Y., waltzing, 47:357; Ga., N. C., habitat, pop. dens., 48:670; Conn., Vt., trap mort., 49:147; seb. gl., 49:436; N. C., 49:539; Conn., act., 49:565; Saskatchewan, compet., 50:291; pop., 50:777
glareolus, 45:612; 50:298; Sweden, 43:176; repro., 43:493; Turkey, var., 43:515; distr., 43:521; wt. var., 44:535; gls., 46:32; seb. gls., 49:436
glareolus ponticus, syst., 43:520
occidentalis, Ore., gl., 43:303; gls., 46:32
rufocanus, Sweden, 43:176; seb. gls., 49:436
rutilus, 42:183; 47:210; Sweden, 43:176; Alas., 48:125; seb. gls., 49:436
Climbing, Clethrionomys, 44:415
Clitoris, Dipodomys, 41:43
Clothier, R. R.:
Reproduction in the gray-necked chipmunk, Eutamias cinereicollis, 50:642
Clough, G. C.:
Arctic shrew in southern Wisconsin, 41:263
Coahuila:
Canis latrans, 47:137
Dasypterus, 41:511
Erethizon dorsatum, 42:545
Eutamias, 41:242
Leptonycteris nivalis, 47:329
Myotis, 41:16
Notiosorex crawfordi, 47:345
Peromyscus, 42:9
Sigmodon, 41:462
Sylvilagus, 46:519
Cockrum, E. L.:
The type locality of the southern grasshopper mouse, 41:515
Southern yellow bat from Arizona, 42:97
Southern river otter, Lutra annectens, from Sonora, Mexico, 45:634
Cave myotis, Myotis velifer, from southern Nevada, 45:636
Extension of known range of the pocketed free-tailed bat, 46:509
(see Baker, R. J.)
(see Davis, R.)
(see Villa-R., B.)
Cockrum, E. L., and S. P. Cross:
Time of bat activity over water holes, 45:635
Time of bat activity over water holes: Addenda to, 46:356
Cockrum, E. L., and A. L. Gardner:
Underwood's Mastiff bat in Arizona, 41:510
Cockrum, E. L., and B. F. Musgrove:
Additional records of the Mexican big-eared bat, Plecotus phyllotis (Allen), from Arizona, 45:472
Coelops frithi formosanus, Taiwan, distr., 50:349
Cole, R. E.:
(see Howard, W. E.)
Colima:
faunal list, 46:691
Leptonycteris sanborni, 47:331
Orthogeomys, 50:748
Pappogeomys, 50:748
Tadarida aurispinosa, 43:537
Collections:
North America, 44:471
survey of, 43:129
Unalaska Island, 48:120
Colobus kikuyuensis, C. polykomos, longev., 41:114
Colodon, tax., dent., 47:632
Colombia:
Anoura, 47:230
Artibeus, 47:230
Artibeus hercules, 44:263
Artibeus lituratus, 43:422
Carollia perspicillata, 43:422; 44:263
Choeroniscus, 46:704
Desmodus rotundus, 43:106
faunal list, 44:169; 45:324; 48:653
Glossophaga longirostris, 43:422
Glossophaga soricina, 44:263
Inia, 44:99
Lagothrix, 44:227, 238
Micronycteris, 43:422
Molossus, 47:230
Molossus major, 44:179
Noctilio, 44:263
Peropteryx macrotis, 44:170
Phyllostomus discolor, 43:422
Rheomys trichotis, 49:553
Sigmodon hispidus, 50:810
Sturnira parvidens, 44:263
Uroderma bilobatum, 49:695
Uroderma magnirostrum, 49:680
Colonoceras, tax., 47:631
Colony:
Antrozous, nursery, 41:266
Artibeus, nursery, 41:509
Chalinolobus dwyeri, nursery, 47:716
Desmodus, 41:459
Eptesicus fuscus, 49:44
Myotis, summer, 46:302
Myotis lucifugus, 42:529; nursery, 47:323
Nycticeius, nursery, 46:498
Pipistrellus, maternal, 46:277
Plecotus, 46:499
Tadarida, 43:58; 46:518

Color:
bighorn sheep, 46:352
Blarina, 41:506
Cryptotis, 41:506
Euarctos, 44:129
Eutamias cinereicollis, 41:125
Globicephala, 41:29; 43:395
Hylobates, 42:99
Mephitis mephitis, 41:139
Neotoma, 43:328
Onychomys, 44:74
Pseudocheirus archeri, 42:149
Rattus rattus, 49:74
Sigmodon, 41:466; 49:317
Sorex, 41:506
Tamiasciurus, 44:123
Colorado:
Antilocapra americana, 50:647
Canis, 42:510
Canis latrans, 47:143; 50:830
Cervus canadensis, 49:762
Citellus lateralis, 47:91
Clethrionomys, 42:415; 45:612
Cryptotis, 45:299
Eutamias minimus, 42:415; 45:612; 47:91
faunal list, 42:171; 48:322
Geomys bursarius, 42:412, 542; 43:1; 45:588; 47:132
Lepus californicus, 49:325
Lepus townsendii, 44:420; 45:495; 49:325
Lynx, 42:510
Martes, 42:111
Mephitis, 41:139; 42:510; 43:420
Microsorex, 44:119
Microtus, 42:415; 43:154; 45:299
Myotis lucifugus, 43:192
Myotis thysanodes, 48:234
Myotis yumanensis, 43:192; 47:126
Neotoma mexicana, 50:536
Ochotona princeps, 48:311
Odocoileus, 45:253, 315; 47:640
Oreamnos americanus, 48:242
Ovis aries, 41:523
Perognathus fasciatus, 49:524
Peromyscus difficilis, 42:2
Peromyscus maniculatus, 42:415; 45:299, 421; 49:282
Procyon, 42:510
Reithrodontomys, 43:104
Sciurus, 42:101; 46:516
Sigmodon, 44:126
Sorex, 42:415
Spermophilus tridecemlineatus, 47:47
Sylvilagus, 44:514
Tadarida, 42:404
Taxidea, 41:139; 42:510
Thomomys talpoides, 41:323, 474; 46:508; 49:391
Vulpes, 42:510; 46:342
Zapus, 42:415
Commensalism, Acomys dimidiatus with bats, 47:153
Commissaris, L. R.:
Morphological and ecological differentiation of Peromyscus merriami from southern Arizona, 41:305
The Mexican big-eared bat in Arizona, 42:61
Committee on Marine Mammals:
Standardized methods for measuring and recording data on the smaller cetaceans, 42:471
Standard measurements of seals, 48:459
Communication:
Castor canadensis, 49:759
Citellus armatus, 47:440
Phocoena phocoena, 50:721
Community structure, carnivores, 47:602
Comopithecus hamadryas, 50:361
Competition:
Carnivora, 47:602
Clethrionomys vs. Microtus, 50:291
Mus, 45:12
Nutria, in U. S. S. R., 47:353
Peromyscus, 45:12
Peromyscus vs. Mus, 47:431
Conaway, C. H.:
Post partum estrus in a sciurid, 49:158
(see Brown, L. N.)
(see Dryden, G. L.)
(see Leach, R. J.)
(see Sorenson, M. W.)
(see Warkentin, M. J.)
Conaway, C. H., and C. B. Koford:
Estrous cycles and mating behavior in a free-ranging band of rhesus monkeys, 45:577
Conaway, C. H., and D. S. Sade:
Annual testis cycle of the Green Monkey (Cercopithecus aethiops) on St. Kitts, West Indies, 50:833
Conaway, C. H., and H. M. Wight:
Age at sexual maturity of young male cottontails, 44:426
Condylura cristata, 47:240; 49:133; Mich., habitat, wt., 42:528; nasal ray, 46:248; Quebec, 42:282; Wis., fd., burrows, nest, 47:538
Conepatus:
leuconotus, 44:382; Fla., Pleist., 44:373
mesoleucus, 44:382; 50:360; Puebla, 41:519; Ariz., 42:421; quitensis, 44:382
Congo, Tachyoryctes ruandae, 50:383
Congosorex pollo, 41:112
Conilurus penicillatus, New Guinea, 41:264; New Guinea, 49:639
Conisbee, L. R.:
Newly proposed genera, 1952–1956, 41:112
Connecticut:
Canis, 43:109
Canis latrans, 41:278
Clethrionomys gapperi, 49:147, 565
Halichoerus grypus, 48:139
Microtus pennsylvanicus, 47:201; 50:637
Microtus pinetorum, 50:637, 777
Peromyscus leucopus, 49:520; 50:277
Sciurus, 43:272
Sorex, 45:311
Connochaetus taurinus, East Africa, wt., 43:78; Southern Rhodesia, repro., 43:534; Mozambique, 46:262; Tanzania, 48:190
Conservation, bats, 43:571

Constantine, D. G.:
Locality records and notes on western bats, 42:404
Gestation period in the spotted skunk, 42: 421
Ecological observations on lasiurine bats in Iowa, 47:34
New bat locality records from Oaxaca, Arizona, and Colorado, 47:125
Control, coyote, 42:510; Desmodus, 44:396
Cook, E. F.:
(see Davis, W. H.)
Coombs, A. W.:
(see Abbott, H. G.)
Cooperia, tax., 47:635
Cope, J. B.:
(see Humphrey, S. R.)
Cope, J. B., and S. R. Humphrey:
Homing experiments with the evening bat, Nycticeius humeralis, 48:136
Coprophagy, Suncus, 43:262
Copulation:
Antrozous pallidus, 50:735
Dasycercus cristicauda, 50:633
Didelphis, 42:397
Dipodomys, 42:413
Gazella thomsonii, 48:194
Marmota flaviventris, 50:756
Perognathus longimembris, 47:418
plug, 47:416
Thomomys, 42:167
Corcoran, A.:
(see Rebach, S.)
Corpora lutea:
Cervus elaphus, 47:152
Peromyscus, 45:260
Corthum, K. W., Jr.:
Reproduction and duration of placental scars in the prairie vole and the eastern vole, 48:287
Corticosterone, Microtus, 46:290
Corynorhinus:
intermedius, 41:184
macrotus, 46:499
rafinesquei, 41:184, 266; 46:499; 47:353; Tex., 43:279; Okla., 45:301
Cosgrove, G. E., and T. P. O'Farrell:
Papillomas and other lesions in the stomachs of pine mice, 46:510
Cosomys, 44:13
Costa Rica:
Ectophylla, 44:186
faunal list, bats, 49:755; 50:808
Lonchophylla concava, 45:380
Noctilio labialis, 45:375; 49:310
Noctilio leporinus, 49:310
Ototylomys phyllotis, 50:40
Rheomys hartmanni, 49:552
Rheomys underwoodi, 49:552
Scotinomys, 41:492
Sturnira mordax, 45:375
Uroderma bilobatum, 49:695
Vampyrops vittatus, 45:383
Vampyrum spectrum, 44:188
Coulter, M. W.:
The status and distribution of the fisher in Maine, 41:1
Courtship:
Citellus tridecemlineatus, 47:310
Gazella granti, G. thomsonii, 48:194
Cowan, I. M.:
Hybridization between the black-tail deer and the white-tail deer, 43:539
Cowan, I. M., and V. Geist:
Aggressive behavior in deer of the genus Odocoileus, 42:522
Cowgill, U. M.:
Perodicticus potto and some insects, 47:156
Cox, T. J.:
Behavior of the mastiff bat, 46:687
Seasonal change in the behavior of the western pipistrelle because of lactation, 46:703
Coydog, 43:109
Coyote-control areas, Colo., N. M., Wy., 42:510
Cranial asymmetry, Geomys, 42:412
Cranial variation, Vulpes vulpes, 41:349
Craniometer, 49:221
Crain, J. L., and R. L. Packard:
Notes on mammals from Washington Parish, Louisiana, 47:323
Cratogeomys, act., 42:543
castanops, N. Mex., life hist., repro., 46:334
Cretaceous, Astroconodon, 50:102
Cricetomys, 43:248
gambianus adventor, Mozambique, tax., 46:264
Cricetulus:
barabensis, 47:210; gls., 46:32
longicaudatus, 47:210
migratorius, 47:210
triton, 47:210
Cricetus, 44:541
auratus, 45:260; comp., 45:84; repro., 50: 758
cricetus, 47:210
eversmanni, 47:210
Crocidura, 42:411; 48:664
bicolor, develop., 49:51
cassiteridum, 46:426
dolichura, Uganda, 44:127
dsinezumi, 46:432
flavescens, Uganda, 44:128
fumosus, Uganda, 44:128
hirta, 46:432; develop., 49:51
hirta beirae, Mozambique, tax., 46:256
jacksoni, repro. morph., 48:664
leucodon, develop., 49:51
leucodon persica, Iraq, 50:614
russula, Channel Is., 46:426
russula monacha, Iraq, 50:614
suaveolens, 47:210; pop. struct., repro., molt, Scilly Isles, 46:426; weaning, 49:60
turba, Uganda, 44:127
Crocuta crocuta, 48:200; East Africa, wt., 43:78; Mozambique, 46:260; East Africa, birth, develop., 46:503; hearing, 50:567
Cross, S. P.:
Roosting habits of Pipistrellus hesperus, 46: 270
(see Cockrum, E. L.)
Crossomys moncktoni, phallic morph., 49:617

Crouch, G. L.:
Clipping of woody plants by mountain beaver, 49:151
Cryptomys hottentotus, Rhodesia, ecol., 46: 647
Cryptopithecus macrognathus, 46:390
Cryptotis, alb., Mo., 41:506
harlani, 41:256
magna, 48:321
mayensis, British Honduras, 49:796
mexicana mexicana, 48:321
micrura, 49:796
parva, 41:256, 506; 42:95; Ind., 41:256; alb., 41:507; Mich., 42:25; Mich., pop., 43:281; molt, 43:423; alb., 43:424; Ill., habitat, longev., capt., 44:427; Colo., 45:299; Ark., 45:471; S. C., 46:4; Ohio, 46:45; New England, distr., 46:671; repro. morph., 48:664; growth, 49:51; vocal., 50:499; Ala., pred., 50:611; bioenergetics, 50:629
parva parva, Okla., 42:235; 45:601; Tex., 49:535
pergracilis, Michoacan, distr., ecol., 42:121
Csordas, S. E.:
Congenital penis malformation in southern elephant seals (Mirounga leonina L.), 47:731
Ctenomys, 42:359
Cuba, Desmodus, 41:458
Cuffery, R. J., and D. E. Hattin:
Kansas chalk gnawed by desert cottontail, 46:696
Cuniculus paca, 46:707
Cunningham, H. N.:
(see Tryon, C. A.)
Cunningham, J. D.:
Mammalian body temperatures, 41:114
Currie, P. O.:
(see Goodwin, D. L.)
Curry-Lindahl, K.:
The irruption of the Norway lemming in Sweden during 1960, 43:171
Cutler, W.:
(see Auernheimer, A. H.)
Cuvieronius, 50:121
Cycle, annual:
Citellus tridecemlineatus, 47:294
Leptonychotes weddelli, 47:317
Cyclopes didactylus ssp., Colombia, distr., 45:326
Cylindrodon frontis, tooth no., 50:608
Cynocephalus anubis, nomen., 41:402
Cynomacaca, 41:112
Cynomops, 44:23
Cynomys, 42:116; syst., 47:579
leucurus, Wyo., hiber., repro. cycle, breed., histol., morph., repro. organs, lit. size, 48:100; Mont., distr., 50:589
ludovicianus, 48:100; 50:838; records, 42: 513, 557
Cynopterus:
brachyotis, Bali, Borneo, Mentawi, bacu., 43:40; Java, 50:835
horsfieldi, Java, 50:835
sphinx, 41:184; Bali, bacu., 43:40; bacu., 48:494
Cystophora cristata, Quebec, 43:512; feed., 47:471
Cytology, Peromyscus, 47:261
Cytotaxonomy, Reithrodontomys spp., Calif., 48:549
Czechoslovakia, Sorex, 44:523

D

Dactylopsila trivirgata, 41:263
Dagg, A. I.:
Gaits of the giraffe and okapi, 41:282
The role of the neck in the movements of the giraffe, 43:88
The subspeciation of the giraffe, 43:550
The gallop of the wildebeest, 50:825
Dale, F. H.:
(see Llewellyn, L. M.)
Dallman, J. E.:
Giant beaver from a post-Woodfordian lake near Madison, Wisconsin, 50:826
Dalquest, W. W.:
Sylvilagus cunicularis in the Pleistocene of Mexico, 42:408
Mammals from the Save River, Mozambique, with descriptions of two new bats, 46:254
Scotophilus alvenslebeni Dalquest a synonym of Scotophilus gigas Dobson, 47:134
Additional notes on mammals from Mozambique, 49:117
(see Hibbard, C. W.)
Dama, nomen., 41:537, 545
Damaliscus, 46:53
korrigum, Tanganyika, habitat, 41:164; East Africa, wt., 43:78
lunatus, 48:197
Damm, R.:
(see Flyger, V.)
Dana, T.:
(see Grigg, R. W.)
Daniel, M. J.:
Porcupine quills in viscera of fisher, 41:133
Daniel, M. J., and M. Kershaw:
Recent congenital anomalies in red deer in New Zealand, 45:48
Dapson, R. W.:
Color aberration in the red squirrel, 44:123
Reproduction and age structure in a population of short-tailed shrews, Blarina brevicauda, 49:205
Dasmann, R. F., and A. S. Mossman:
Population studies of impala in southern Rhodesia, 43:375
Reproduction in some ungulates in southern Rhodesia, 43:533
Dasycercus cristicauda, repro., yg., 50:633
cristicaudata [*sic*], thermoreg., 50:555
Dasyprocta mexicana, Oaxaca, 41:415
Dasypterus, Trinidad, 44:396; gls., 47:357
ega, 41:511; Ariz., distr., 42:97; South Pacific, 42:530
floridanus, Tex., 43:279
intermedius, Mexico, distr., 43:103
xanthinus, Durango, Coahuila, Zacatecas, Sinaloa, 41:511

Dasypus, 45:248; 50:122; heart beat, 45:642
mexicanus, Oaxaca, 41:415
novemcinctus, Oaxaca, 41:415; N. Mex., 44:581
novemcinctus mexicanus, Okla., 42:236; Kans., 42:283
Dasyurus, repro., 50:634
Dater, E. E.:
Tolerance among nocturnal woodland creatures, 42:424
Davenport, L. B., Jr.:
Structure of two Peromyscus polionotus populations in old-field ecosystems at the AEC Savannah River Plant, 45:95
(see Golley, F. B.)
Davies, J. L.:
The southern form of the pilot whale, 41:29
Birth of an elephant seal on the Tasmanian Coast, 42:113
Davis, D. D., obit., 46:371
Davis, D. E.:
(see Christian, J. J.)
(see Snyder, R. L.)
(see Zervanos, S. M.)
Davis, M.:
Galago born in captivity, 41:401
Davis, R.:
Wing loading in pallid bats, 50:140
Growth and development of young pallid bats, Antrozous pallidus, 50:729
(see Hayward, B.)
Davis, R., and E. L. Cockrum:
"Malfunction" of homing ability in bats, 44:131
Bridges utilized as day-roosts by bats, 44:428
Experimentally determined weight lifting capacity in individuals of five species of western bats, 45:643
Davis, R. B.:
(see Herreid, C. F., II)
Davis, R. M.:
(see Loomis, R. B.)
Davis, R. W.:
(see Rees, J. W.)
Davis, S. D.:
(see Adams, L.)
Davis, W. B.:
The female of Mustela frenata texensis, 42:273
Synoptic history of the ASM endowment funds: a special report of the trustees, 44:164
Review of the Eptesicus brasiliensis complex in Middle America with the description of a new subspecies from Costa Rica, 46:229
Review of the genus Uroderma (Chiroptera), 49:676
Davis, W. H.:
Winter awakening patterns in the bats Myotis lucifugus and Pipistrellus subflavus, 45:645
Population dynamics of the bat Pipistrellus subflavus, 47:383
Davis, W. H., R. W. Barbour, and M. D. Hassell:
Colonial behavior of Eptesicus fuscus, 49:44
Davis, W. H., M. J. Cawein, M. D. Hassell, and E. J. Lappat:
Winter and summer circulatory changes in refrigerated and active bats, Myotis lucifugus, 48:132
Davis, W. H., and J. W. Hardin:
Homing in Lasionycteris noctivagans, 48:323
Davis, W. H., M. D. Hassell, and C. L. Rippy:
Myotis leibi leibi in Kentucky, 46:683
Davis, W. H., and H. B. Hitchcock:
Notes on sex ratios of hibernating bats, 45:475
Biology and migration of the bat, Myotis lucifugus, in New England, 46:296
Davis, W. H., and C. L. Rippy:
Distribution of Myotis lucifugus and Myotis austroriparius in the southwestern United States, 49:113
DDT, effect on repro., 45:272
Deacon, J. E., and W. G. Bradley:
Record of the spotted bat from southern Nevada, 43:415
Deacon, J. E., W. G. Bradley, and K. M. Larsen:
Ecological distribution of the mammals of Clark Canyon, Charleston Mountains, Nevada, 45:397
Dean, F. C.:
Winter and spring habits and density of Maine skunks, 46:673
Dearborn, J. H.:
An unusual occurrence of the leopard seal at McMurdo Sound, Antarctica, 43:273
Food of Weddell seals at McMurdo Sound, Antarctica, 46:37
An unusual leap by a Pacific white-sided dolphin (Lagenorhynchus obliquidens), 49:329
Dearden, L. C.:
Histology of the gastro-esophageal junction in certain microtine rodents, 47:223
Stomach and pyloric sphincter histology in certain microtine rodents, 50:60
DeBlase, A. F., and S. R. Humphrey:
Additional record of an albino prairie vole, 46:501
DeBlase, A. F., S. R. Humphrey, and K. S. Drury:
Cave flooding and mortality in bats in Wind Cave, Kentucky, 46:96
DeByle, N. V.:
Short-tailed shrew attacks garter snake, 46:329
Deer:
mule, killed by lightning, 46:676
white-tailed, Neb., 42:94; N. D., alb., 43:270; N. Y., preg., 45:151; N. Y., polyovulation, 48:321
Defense:
Citellus tridecemlineatus, of yg., 47:313
Microtus, terr., 43:351
Peromyscus maniculatus, self, 47:522
Spalax leucodon, self, 42:359

de la Torre, L.:
(see Hoffmeister, D. F.)
de la Torre, L., and M. P. Dysart:
A method for photographing teeth of small mammals, 47:515
Fusion of incisor enamel organs in a Guatemalan opossum, 47:709
Delayed implantation, Protemmedon, 44:430
DeLong, K. T.:
(see Krebs, C. J.)
De Long, R. L.:
(see Peterson, R. S.)
Delphinapterus leucas, 47:512; 49:260, 795
Delphinus:
bairdii, tax., distr., var., 50:262
capensis, 50:269
delphis, 50:725; tax., distr., var., 50:262
intermedius, tax., 46:451
major, 50:269
Dendrohyrax arboreus, Africa, color var., 47:692; Mozambique, 49:120
Denney, R. N.:
(see Seliger, W. G.)
Denniston, R. H., II:
Notes on the vaginal cornification cycle of captive squirrel monkeys, 45:471
Dens:
Mephitis mephitis, 47:705
Phacocoerus aethiopicus, 47:134
Procyon lotor, 47:529
Ursus americanus, 47:712
Density estimates:
Mus, 49:455
Myotis, 46:312
Peromyscus leucopus, 41:433
Peromyscus polionotus, 49:455
Thomomys, 46:508
Dentition:
Anomalurus, 43:310
Atopomys, 46:466
Blarina brevicauda, 49:251
Canis, 43:455; 45:483
Castor canadensis, 50:652
Cavia, 43:310
Cephalomys, 43:310
Ceratomorpha, 47:631
Cervus canadensis, 49:524
Cervus elaphus, 49:524
Chalinolobus, 47:89
Citellus, 42:477
Clethrionomys, 44:270
Crocuta crocuta, 46:503
Didelphis marsupialis, 47:710
Eumetopias jubata, 47:157
Geomys, 44:270
Glauconycteris, 47:89
Gorilla, 47:709
Lagothrix, 44:213
Loxodonta, 46:374
Madoqua, 42:551
Megapedetes, 43:310
Mephitis, 42:422; 47:709
Microtus, 44:270
Monachus, 44:280
Muntiacus, 42:552
Mus, 43:315; 47:733
Mustela vison, 49:488
Myotis, 44:275
Nycticeius humeralis, 48:7
Odobenus, 45:490
Odocoileus, 44:83; 46:348; 47:640
Oryzomys, 47:709
Otocyon, 43:455
Parapedetes, 43:310
Pedetes, 43:310; 46:419
Petromus, 43:310
Pitymys, 43:516
Procyon lotor, 47:149
Rangifer, 42:552
Sorex, 42:527
Spilogale, 42:422
Stenella graffmani, 50:150
Theridomys, 43:310
Thryoromys, 43:410
tricododonts, 50:106
vole, 46:466
Vulpes vulpes, 49:526
Zapus, 44:254
Ziphius, 42:72
Depner, C. W.:
Colorimetric determination of ingested food dyes passed in feces of domestic rabbits, 50:382
Dermis, Tamandua tetradactyla, 47:281
Dermoptera, 46:394
Des Lauiers, J.:
(see Brattstrom, B. H.)
Desmana moschata, 47:210
Desmodus, 44:44; 49:339
magnus, Fla., type desc., 41:460
murinus, 43:18; Oaxaca, 41:184, 414, 460
rotundus, 48:60; Oaxaca, 41:184, 414; flight, 42:153; care and maintenance, 42:449; Mexico, 42:537; energy metab., excretion, feeding in capt., 43:17; Colombia, Mexico, distr., 43:106; Colombia, 44:177; Trinidad, 44:396; morph., 44:556; Colombia, fd., 48:653; act. patt., 49:755; Tabasco, Veracruz, behav., act., feeding, 50:233
stocki, 41:460
Desmostylus, 48:143
Development:
Aepyceros, 43:375
Allenopithecus, 43:265
Antrozous pallidus, 50:729
Dipodomys stephensi, 48:624
Dryomys, 45:78
Erinaceus, 42:398
Eutamias minimus, 47:159
Eutamias quadrivittatus, 50:257
Felis leo, 44:111
Hemiechinus, 42:398
Lepus californicus, 46:96
Monachus schauinslandi, 49:229
Mustela nivalis, 49:413
Mustela vison, 50:742
Neotoma, 43:328
Nycticeius humeralis, 48:1
Onychomys leucogaster, 49:513
Onychomys torridus, 49:649
Paraechinus, 42:398

Peromyscus eremicus, 49:498
Peromyscus interparietalis, 49:498
Philander opossum, 50:345
Potorous, limb, 41:446
Suncus murinus, 49:51
Tadarida brasiliensis, 47:131
de Vos, A.:
Long-tailed weasel climbing trees, 41:520
Rubbing of conifers by white-tailed deer in successive years, 48:146
Dewees, A. A.:
(see Wilson, E. D.)
Dexter, R. W.:
An albino shrew from Ohio, 42:96
Dhaliwal, S. S.:
Ecological and geographical studies of Rattus rattus in Malaya, 42:349
Studies on body measurements and skeletal variations of two taxa of Rattus rattus in Malaya, 43:249
Diacodexis, Wyo., Eocene, tax., 47:488
brachystomus, 49:297
metsiacus, 46:394; tarsi, 49:297
robustus, teeth, 49:301
Diaemus youngi, Trinidad, 44:396
Dice, L. R.:
Laboratory instruments for measuring the behavior of shy or nocturnal small mammals, 42:159
Dicephalism, Odocoileus, 44:82
Diceros, dent., 47:637
bicornis, 48:197
Dickerman, R. W.:
"Davian behavior complex" in ground squirrels, 41:403
Erethizon dorsatum in Coahuila, Mexico, 43:108
Dickerman, R. W., and B. J. Hayward:
Range extension of Tadarida femorosacca in Arizona, 41:265
Dickerman, R. W., and B. Villa-R.:
Dry ice: a "new" field technique, 45:141
Dicotyles:
tajacu, Guatemala, Pleist., 50:121; muscle antigens, 50:137
traunmulleri, 50:125
Dicrostonyx, dent., 43:456
groenlandicus, 43:180; 47:224; 49:218; 50:287; Manitoba, 42:194; repro., 43:493; gls., 46:32; seb. gls., 49:429; brain colloids, 50:21; histol., stomach, 50:60
hudsonius, 48:125; Ungava, 43:421; zoogeog., 48:126
torquatus, anat., 41:74; Unalaska Island, zoogeog., 48:125
Didelphis:
marsupialis, 42:408; 50:838; Ind., 41:111, 254; N. Mex., distr., 41:393; growth, 41:441; Okla., habitat, 42:397; N. J., habitat, 42:424; Md., swimming, 42:428; Minn., distr., 44:118; trapping, repro., habitat, ecol., 45:113; effect of tear gas, 45:321; blood, 45:607; distr., 47:125; South America, 47:354; Guatemala, abnorm. dent., 47:710; sexual behav., 48:486; Zacatecas, 49:318; thermoreg., 50:550
marsupialis virginiana, Mo., tissue lipids, 41:311; Okla., 42:235; Tex., 49:535
tabascensis, 48:679
virginiana, 50:132; Ind., 41:254
Didelphodus absorokae, 36:394
Digestive system, Microtus pennsylvanicus, 41:89
Digging:
Citellus tridecemlineatus, 47:314
Spalax, 42:359
Thomomys talpoides, 47:531
Dikkomys woodi, Mont., fos., 50:816
Dilophodon, tax., dent., 47:632
Dimmick, R. W.:
The distribution of Microtus ochrogaster in Tennessee, 50:126
Dingman, R. E.:
(see Patton, J. L.)
Dinobastis, 50:367; comp., 46:585
Diplomesodon:
fossorius, South Africa, Pleist., fos., comp., dent., 46:189
pulchellum, 46:192
Dipodomys, 42:116; 43:279; 44:283; 45:605; 46:421; 49:19, 632, 764; comp., 43:483; frozen wt., 46:110; breeding, 47:412
agilis, longev., 41:113; comp., 41:197; bacu., 41:498; water loss, 50:519
cascus, 48:624
deserti, 44:64; 48:624; temp., 41:114; longev., 41:404; capt. breeding, behav., 42:413; gls., 46:32; secretory plugs, 47:416; copulatory plug, 49:571
elator, 41:498; Tex., 49:536
elephantinus, gls., 46:32
heermanii, 45:210; Calif., distr., habitat, 41:126; bacu., comp., 41:497; gls., 46:32
ingens, comp., bacu., 41:497
merriami, 42:413; 50:252; Ariz., habitat, fd., wt., 41:48; temp., 41:114; Sonora, 41:283; Calif., 41:391; longev., 41:404; Ariz., serum proteins, 41:407; bacu., comp., 41:497; Ariz., habitat, 41:517; Nev., burrows, 43:265; drinking, 43:416; repro., 44:61; Nev., habitat, disper., movement, trapping, 44:193; behav., 44:423; Calif., ecol., 45:208; gls., 46:32; temp., 46:491; Nev., molt, color, 46:515; breeding, 47:421; milk, 47:542; serum proteins, 48:477; life span, 48:537; dispersal, 49:272; water loss, 50:514
microps, bacu., 41:498; Nev., 43:265; Nev., disper., habitat, movement, trapping, 44:193; gls., 46:32; life span, 48:537; disper., 49:272
nitratoides, bacu., 41:497; repro., 44:61; gls., 46:32
ordi, 42:413; 45:211, 602; 46:245; 49:482; anat., repro., 41:43; bacu., comp., 41:498; Colo., 42:171; records, 42:513; gls., 46:32; hermaphroditic, 46:684; habitat, distr., 47:118; sugar pref., 48:324; occur., 49:757
ordi richardsoni, Okla., Tex., Utah, habitat, 42:337
ornatus, 41:495; Aguascalientes, bacu., comp., 41:496

panamintinus, Calif., 41:391; bacu., comp., 41:497; repro., 44:61; gls., 46:32
perblandus, Ariz., habitat, 41:517
phillipsi, comp., 41:498
spectabilis, 41:404; 42:413; 45:217; bacu., comp., 41:498; Ariz., distr., 41:517; water loss, 50:519
spectabilis baileyi, Tex., 49:537
stephensi, Calif., growth, develop., pelage, pigment, nest, 48:626
venustus, water loss, 50:514
Diphylla ecaudata, Tex., 49:769
Dipus sagitta, comp., 45:84
Dirias albiventer, D. minor, odor, 41:396
Di Salvo, A. F., J. Palmer, and L. Ajello:
Multiple pregnancy in Tadarida brasiliensis cynocephala, 50:152
Disease:
Antilocapra, 43:415
beaver, 41:404
Desmodus, murrina, rabies, 41:461
Homo sapiens, kidney, 47:128
Lophuromys, 45:345
Mus, periodontal, 47:519
Procyon lotor, kidney, 47:128; distemper, 49:69
Rattus, 42:344
Dispersal:
Ammospermophilus, 44:192
Citellus tridecemlineatus, 47:305
Dipodomys, 44:193
Geomys, 43:1
Microtus californicus, 49:239
Onychomys, 44:195
Perognathus, 44:198
Peromyscus, 44:195, 273; 46:336
Peromyscus leucopus, 47:500
Peromyscus maniculatus, 49:239
Reithrodontomys megalotis, 47:56; 49:239
Distemper, Procyon lotor, 49:69
Distoechurus, 41:263
Distrito Federal, Peromyscus, 42:13
Diving, Microtus, 42:39
Dobsonia, brain size, 50:340
exoleta, Celebes, bacu., 43:39
minor, New Guinea, bacu., 43:39
peroni, Bali, bacu., 43:40
Dodge, W. E., and D. L. Campbell:
Two techniques to reduce capture mortality, 46:707
Dolomys, 49:438; comp., 46:470
Dominance:
Alces americana, 43:468
Cervus canadensis, 43:468
Microtus, 43:351
Odocoileus, 43:462
Donohoe, R. W.:
(see Nixon, C. M.)
Dorcas spekei, 41:113
Doremus, H. M.:
Live trapping the short-tailed shrew, Blarina brevicauda, 45:144
Heart rate, temperature and respiration rate of the short-tailed shrew in captivity, 46:424
Doremus, H. M., and J. J. Jaffe:
Hematologic values for the short-tailed shrew, Blarina brevicauda, 45:648
Hematologic values for the short-tailed shrew, Blarina brevicauda: addenda to, 46:355
Douglas, C. L.:
New records of mammals from Mesa Verde National Park, Colorado, 48:322
Douglas, M. J. W.:
Occurrence of accessory corpora lutea in red deer, Cervus elaphus, 47:152
Doutt, J. K.:
Polar bear dens on the Twin Islands, James Bay, Canada, 48:468
(see Anderson, S.)
Doutt, J. K., and C. C. Black:
A new Pleistocene locality in the state of Oaxaca, Mexico, 43:414
Dowing, S. C., and D. H. Baldwin:
Sharp-shinned hawk preys on red bat, 42: 540
Downes, W. L., Jr.:
Unusual roosting behavior in red bats, 45: 143
Drinking:
Citellus, 43:416
Dipodomys, 43:416
Peromyscus, 43:345, 416
Pteropus, 42:252
Drugs, field immobilization, 43:76
Drury, K. S.:
(see De Blase, A.)
Dryden, G. L.:
Growth and development of Suncus murinus on Guam, 49:51
Dryden, G. L., and C. H. Conaway:
The origin and hormonal control of scent production in Suncus murinus, 48:420
Dryomys nitedula, Israel, habitat, act., fd., repro., lit. size, develop., growth, hiber., body temp., resp., 45:69
Duebbert, H. F.:
Swimming by a badger, 48:323
Dugong dugong, New South Wales, 43:433
Duiker, 41:166
Dulcidon gandaensis, fos., Eocene, 46:393
Dunaway, P. B.:
Seminole bat strangled by Spanish moss, 41:400
Litter size record for eastern harvest mouse, 43:428
Dunaway, P. B., and S. V. Kaye:
Cotton rat mortality during severe winter, 42:265
Effects of industrial oil disposal on wild mammals, 42:554
Dunaway, P. B., J. A. Payne, L. L. Lewis, and J. D. Story:
Incidence and effects of Cuterebra in Peromyscus, 48:38
Dundee, H. H.:
(see Negus, N. C.)
Dunmire, W. W.:
Breeding season of three rodents on White Mountain, California, 42:489

Dunn, F. L.:
Erythrocyte sickling in the barking deer of Borneo, 45:492
Dunn, L. C., A. B. Beasley, and H. Tinker:
Polymorphisms in populations of wild house mice, 41:220
Durango:
Anoura, 41:511
Dasypterus, 41:511
Eutamias, 41:242
faunal list, 47:344
Peromyscus melanotis, 47:340
Durrant, S. D.:
(see Musser, G. G.)
Dusicyon griseus, D. gymnocercus, lens growth, 47:536
Duwe, A. E.:
The relationships of the chevrotain, Tragulus javanicus, to other Artiodactyla based on skeletal muscle antigens, 50:137
Dwyer, P. D.:
Observations on Chalinolobus dwyeri (Chiroptera: Vespertilionidae) in Australia, 47:716
Dysart, M. P.:
(see de la Torre, L.)

E

Eadie, W. R.:
(see Hamilton, W. J., Jr.)
Ealey, E. H. M.:
Anesthesia in the echidna, Tachyglossus aculeatus, 48:316
(see Augee, M. L.)
East Africa:
Crocuta crocuta, 46:503
Equus burchelli, 46:53
Equus grevyi, 46:53
faunal list, 41:164; 43:78
Easterla, D. A.:
A nursery colony of evening bats in southern Missouri, 46:498
The spotted bat in Utah, 46:665
Evidence of pronghorn in Missouri, 46:675
Yuma myotis and fringed myotis in southern Utah, 47:350
First specimen of plains pocket mouse from Missouri, 48:479
First records of the pocketed free-tailed bat for Texas, 49:515
Parturition of Keen's myotis in southwestern Missouri, 49:770
Easterla, D. A., and L. C. Watkins:
Pregnant Myotis sodalis in northwestern Missouri, 50:372
Silver-haired bat in southwestern Iowa, 48:327
Eberhardt, R. L., and K. S. Norris:
Observations of newborn Pacific gray whales on Mexican calving grounds, 45:88
Ebert, I. O.:
(see Heidt, G. A.)
Echinops telfairi, behav., repro., develop., habitat, act., hiber., 47:660
Echolocation:
Emballonuridae, 43:449
Natalidae, 43:449
Noctilio leporinus, 48:79
Phocoena phocoena, 50:721
Pizonyx vivesi, 48:79
Echymipera:
clara, New Guinea, hab., distr., 47:721
kalubu, alb., 46:698; New Guinea, hab., 47:721
rufescens, New Guinea, hab., 47:722
Ecological comparisons, Equus grevyi and Equus burchelli, 46:58
Ectophylla:
alba, Costa Rica, desc., distr., meas., 44:186
macconnelli, Trinidad, 44:396
Ectypodus, 46:281
Ecuador:
Anoura caudifer, 47:232
Calomys, 41:518
Lagothrix, 44:227, 235
Macrophyllum, 44:588
Sigmodon hispidus, 50:810
Tursiops, 44:100
Uroderma bilobatum, 49:693
Edgar, R. L.:
A compact live trap for small mammals, 43:547
Edocerus, 45:474
Edward, W. R.:
Fifteen cottontails in a nest, 44:416
Egerton, R. N.:
William Harvey on the mating of red deer, 42:124
Eggysodon, dent., 47:635
Egoscue, H. J.:
Laboratory and field studies of the northern grasshopper mouse, 41:99
Small mammal records from western Utah, 42:122
The bushy-tailed wood rat: a laboratory colony, 43:328
Color phases and their inheritance in the northern grasshopper mouse, 44:74
Ecological notes and laboratory life history of the canyon mouse, 45:387
Eutamias dorsalis grinnelli Burt in extreme western Utah, 49:145
Egoscue, H. J., and R. J. Lewis:
An albino long-tailed pocket mouse from Utah, 49:319
Egypt:
Acomys cahirinus, 48:258
Acomys dimidiatus, 47:153
Poecilictis libyca, 41:138
Rhinopoma hardwickei, 47:153
Rousettus aegyptiacus, 47:153
Ehrlich, S.:
Experiment on the adaptation of nutria to winter conditions, 43:418
Eidolon, brain size, 50:340
halvum, Uganda, hab., 45:309
Eira barbara, hearing, 50:567
Eisenberg, J. F.:
(see Gould, E.)

Eisenberg, J. F., and D. E. Isaac:
The reproduction of heteromyid rodents in captivity, 44:61
Eklund, C. R.:
Elephant seals in Antarctica, 41:277
Eklund, C. R., and E. L. Atwood:
A population study of Antarctic seals, 43:229
Elder, W. H.:
An albino Cryptotis from Missouri, 41:506
Elder, W. H., and C. E. Shanks:
Age changes in tooth wear and morphology of the baculum in muskrats, 43:144
Electrocardiograph, Cervus canadensis, 49:790
Electrophoresis:
Peromyscus, 49:420; 50:507
Thomomys, 49:544
Elephas maximus, body temp., 44:282
Eliomys:
melanurus, 48:260; comp., 45:85
quercinus, comp., 45:85
Elk, Mo., 41:504
Elliot, M.:
(see Elliot, O.)
Elliot, O., and M. Elliot:
Field notes on the slow loris in Malaya, 48:497
Elliot, O., and M. Wong:
Blood sugar of Malayan tree shrews, 50:361
Ellobius, 49:442
lutescens, 43:519
talpinus, 47:210
El Salvador:
Centurio, 45:375
Macrophyllum, 44:588
Ototylomys phyllotis, 50:40
Rheomys thomasi, 49:552
Uroderma bilobatum, 49:695
Uroderma magnirostrum, 49:680
Vampyrops helleri, 50:820
Elwell, A. S.:
Blue jay preys on young bat, 43:434
Embryology, dent., Odocoileus hemionus, 47:640
Embryos:
Blarina, 37:181
Calomys, 41:517
Eumops, 41:510
Microtus ochrogaster, 48:317
Odocoileus, 41:522
Peromyscus, 41:518
Peromyscus maniculatus, 48:317
Sorex, 47:181
Emergence:
Tadarida brasiliensis, 47:79
Tadarida femorosacca, 42:405
Emigration:
Mus musculus, 47:28
Sciurus, 43:272
Emlen, J. T., Jr.:
(see Tester, J. R.)
Enchisthenes hartii, 50:809; Honduras, 50:821
Enclosure for small mammals, 42:391
Endocrine glands, Odocoileus virginanus, 47:266
Endogone as food, 45:265
Energy:
Desmodus, metab., 43:17
Lasiurus cinereus, utilization, 47:719
Myotis lucifugus, utilization, 47:719
Engel, R. L., and T. A. Vaughan:
A coyote-golden eagle association, 47:143
England:
Lutra, fos., 45:555
Myocastor, 43:418
Sciurus carolinensis, 48:328
Sorex, 50:326
Enhydra, Calif., 41:372; Ore., fos., meas., femora, 45:54; bacu., 49:40
lutris, 42:224; Alas., pop., distr., 41:172; Calif., hab., 42:271; Pribilof Is., 43:68; Ore., 44:415; Calif., behav., 45:287
Entoptychus, 50:816
Eocene:
Artiodactyla, 47:488
Bunophorus, 49:296
Diacodexis, 49:296
Rhinocerotoidea, 47:631
Eonycteris spelea, Java, 50:835
spelaea spelaea, Laos, meas., 48:633
Eosinophils, Setonix, pop., dens., 49:124
Eothenomys, seb. gls., 49:437
Eotrigonias, dent., 47:635
Eozapus, 44:249
Ephyrachyus, tax., 47:631
Epiaceratherium, dent., 47:636
Epigaulus minor, 47:406
Epitriplopus, dent., 47:637
Epomophorus:
anura, 41:184
haldemani, Angola, 41:395
wahlbergi, Angola, 41:395; Mozambique, 49:118
Epomops, brain size, 50:340
franqueti, Angola, 41:395
Eptesicus:
andinus, karyo., 48:271
brasiliensis, Oaxaca, 41:415; review, 46:229
brasiliensis andinus, Colombia, 44:177
furinalis, karyo., 48:271; Guatemala, 49:519
fuscus, 41:266; 46:356; 49:314; 50:128, 141, 357, 370, 373, 729, 821; Mo., Ohio, 41:116; Ariz., 41:510; 44:272; 45:322; Ind., hab., 41:512; Ariz., 42:64; Ky., 42:399; N. Mex., 42:538; Ill., hiber., 43:30; Tex., 43:279; Ariz., homing, 44:131; Ariz., roosts, 44:428; Ariz., speed, 45:283; Ariz., roosting site, 45:628; act., 45:635; Iowa, 47:341; hiber., 47:348; Utah, 47:350; N. Y., distr., 47:526; odor, 47:678; Ark., roosts, 48: 131; karyo., 48:270; ammonia toler., 48:564; Ky., preg., part., growth, devel., colonial behav., feeding, temp., resp., roosts, 49:44; peregrinations, 49:49; Ohio, Penn., ecol., breeding, 49:775; mort., lit. size., 49:777; act., 49:779; flight speed, 50:152; Ind., 50:360; geog. var., tax., 50:621; Mont., 50:737
fuscus fuscus, Manitoba, 42:529; La., repro., 48:647
fuscus miradorensis, Michoacan, 42:121; Zacatecas, 49:745

fuscus pallidus, 48:235; 49:743; Manitoba, 42:529; Nev., ecol., 45:397; Tex., 49: 516, 536; heart rate, 50:842
fuscus peninsulae, Baja Calif., distr., 45:489
fuscus wetmorei, Puerto Rico, fos., 49:410
nilsoni, 47:210
propinquus, Oaxaca, 41:415
serotinus, 47:79
Equus, 44:14; 48:637; spinal var., 43:207
burchelli, 46:61; 48:190; Tanganyika, hab., 41:165; E. Africa, wt., 43:78; S. Rhodesia, repro., 43:534
conversidens, Pleist., fos., 48:661
grevyi, 46:53
hemionus, 47:208
mexicanus, Oaxaca, Pleist., 43:414
przewalskii, 47:210
Erdman, D. S.:
Stranding of a beaked whale, Ziphius cavirostris Cuvier, on the south coast of Puerto Rico, 43:276
(see Caldwell, D. K.)
Erethizon dorsatum, Ind., 41:111; Ariz., distr., 41:132; quills, 41:133; Me., 41: 416; Mont., 42:112; Ill., 42:119; Ala., fos., 42:544; Mex., distr., 43:108; records, 43:513; Ala., distr., fos., 44:267; Fla., Pleist., 44:373; Alberta, 47:541; abnorm., reprod., 47:713; Ala., 48:125
dorsatum bruneri, Okla., 42:239
dorsatum couesi, Nev., ecol., 45:397; distr., hab., 47:122
Erickson, A. W.:
Supernumerary mammae in the black bear, 41:409
A mixed-age litter of brown bear cubs, 45:312
Erickson, A. W., and P. Martin:
Black bear carries cubs from den, 41:408
Erickson, A. W., and L. H. Miller:
Cub adoption in the brown bear, 44:584
Erickson, A. W., and W. G. Youatt:
Seasonal variations in the hematology and physiology of black bears, 42:198
Erickson, J. A.:
(see Seliger, W. G.)
Erignathus barbatus, repro., 41:381; Pribilof Is., 41:520; whelping, 47:469; ecol., 47: 511; morph., 48:144
Erinaceus:
algirus, comp., 45:84
auritus, 47:210
dauricus, 47:210
europaeus, 43:14; 47:210; 49:544; birth, develop., 42:398; live trap, 43:547; comp., 45:85; Germany, 47:660
Erophylla:
bombifrons bombifrons, Puerto Rico, fos., 49:409
planifrons, 41:184
Erythrism:
Procyon, 42:270
Sylvilagus, 42:254
Eschrichtius glaucus, 50:818; Calif., Wash., Ore., Alas., distr., 42:108; abnorm., swimming, 42:419; Alas., 44:17; yg., size, mort., stranding, growth, morph., 45:88; sounds, 48:573; encounter, 49:327
Essapian, F. S.:
Observations on abnormalities of parturition in captive bottle-nosed dolphins, Tursiops truncatus, and concurrent behavior of other porpoises, 44:405
Estes, R. D.:
The comparative behavior of Grant's and Thompson's gazelles, 48:189
Esthonyx spatularius, 44:364
Estrus:
Chiropodomys gliroides, cycle, 48:21
Exilisciurus exilis, post-partum, 49:158
Macaca mulatta, cycle, 45:577
Perognathus longimembris, cycle, 47:414
Spilogale putorius, cycle, 49:376
Etadonomys tiheni, comp., 43:483
Euarctos americanus, Saskatchewan, wt., color, 44:129; milk, 47:539
Eubalaena:
glacialis, 49:794; 50:654; sounds, 48:573; Bay of Fundy, 49:261
sieboldi, swimming, 42:419
Euceratherium, N. Mex., 44:583
Euderma maculatum:
N. Mex., guano, 42:67; Wyo., 42:401; N. Mex., meas., 42:538; Nev., 43:415; Utah, 46:665; Mont., 50:737
Eumetopias, 44:281; 48:143; 49:673; Calif., distr., 41:366; comp., 42:548
jubata, 48:68; Alas., 41:177; pop., 41:370; Alas., growth, 42:218; Alas., distr.. hab., 42:233; Pribilof Is., distr., 43:68; Alas., breed habits, growth, fd., 43:469; comp., fos., otariid, 45:47; dent., 47:157; North Pacific, pred., 47:195
Eumops, Ariz., 42:66
floridanus, Fla., Pleist., 44:373
glaucinus, Mex., distr., 43:103; Colombia, meas., 44:178; Panama, 45:495; Honduras, 50:821
perotis, 47:249; peeps, 41:510; guano, 42: 66; Nev., 48:672
perotis californicus, Tex., 42:404; 43:279; Ariz., distr., 45:322
sonoriensis, Ariz., Sonora, peeps, meas., comp., wts., 41:510
underwoodi, Ariz., peeps, 41:510
underwoodi sonoriensis, Tex., habits, voice, yg., 42:404
Eumys, 50:816; elegans, E. exiguus, Nebr., fos., 49:529
Eurasia, steppe mammals, 47:208
Eurosorex buchariensis, 41:112
Eutamias, 45:605; 49:83; fd., 42:516; syst. position, 47:580; karyo., 50·524
alpinus, karyo., 50:524
amoenus, 41:232; 50:261; Calif., physiol., 45:359; fat, 47:715; Mont., home range, 49:84; karyo., subsp., 50:524
amoenus luteiventris, karyo., 50:524; Alberta, body, adrenal wt., seas. changes, 49:463
barberi, Korea, dent., 41:269
bulleri, 41:235; ecol., 47:345

canipes, bacu., tax., 41:240
canipes *sacramentoensis*, N. Mex., 41:240
cinereicollis, pelage, 41:125; N. Mex., tax., bacu., 41:235; N. Mex., 41:275; karyo., subsp., 50:524; repro., 50:642
cinereicollis cinereus, 41:235
dorsalis, N. Mex., 41:276; water bal., 48:466; Utah, 49:145; karyo., 50:524
dorsalis dorsalis, Sonora, par., meas., 46:501; Durango, distr., ecol., 47:345; karyo., 50:524
merriami, karyo., subsp., 50:524
merriami meridionalis, Baja Calif., 45:634
minimus, 45:607; 49:764; 50:260; Colo., 42:415; Colo., 45:612; fd., dent., behav., repro., aging, develop., 47:159; Minn., hiber., fat, wt., cycle, 47:715; Minn., water bal., 48:466; Mont., home range, 49:84; karyo., subsp., 50:524
minimus oreocetes, Alberta, body, adrenal wt., seas. changes, 49:463
palmeri, Nev., ecol., 45:397; karyo., 50:524
panamintinus panamintinus, Nev., ecol., 45:397; karyo., 50:524
quadrimaculatus, fat, 47:715; karyo., 50:524
quadrivittatus, 41:240; 48:322; 49:764; karyo., subsp., 50:524
quadrivittatus hopiensis, Utah, reprod., behav., develop., 50:257
ruficaudus, 49:767; karyo., subsp., 50:524; Mont., distr., tax., 50:585
sibiricus, 41:269
solivagus, 41:239
sonomae, karyo., subsp., 50:524
speciosus, Calif., phys., 45:359; Calif., hiber., 45:455; fat, 47:715; karyo., subsp., 50:524
townsendi, fat, 47:715; subsp., karyo., 50:524
townsendi cooperi, 49:764; Ore., longev., home range, 46:693
townsendi ochrogenys, Calif., bacu., os clitoris, 49:764
umbrinus, 41:239; 49:767; karyo., subsp., 50:524; Mont., distr., 50:586
umbrinus umbrinus, 41:239
Evans, F. C.:
(see Howard, W. D.)
Evaporative water losses, pallid bat, 41:452
Evolution:
Geomys bursarius, forelimbs, 47:133
Microtus, 43:105
Odobenus rosmarus, 47:512
Perissodactyla, 47:631
Reithrodontomys, 43:105; 48:549
rodents, New Guinea, 49:609
Tadarida brasiliensis, emergence patt., 47:80
Zapus, 44:248
Excrement, Desmodus, 41:460
Excretory function, Desmodus, 43:17
Exilisciurus, 45:474
exilis, post-partum estrus, Malaysia, 49:158
Extermination, jack rabbits, prairie dogs, 41:513
Eye development, Potorous, 41:444

F

Facial vibrissae, Potorous, 41:449
Fairbanks, T.:
(see Moran, R. J.)
Fairley, J. S.:
(see Walker, J.)
Farney, J., and E. D. Fleharty:
Aspect ratio, loading, wing span, and membrane area of bats, 50:362
Fat:
Citellus, brown, 43:13
Eutamias, deposits, 47:715
Nycticeius humeralis, deposits, 49:314
Odocoileus, density, 45:252
Tamias striatus, deposits, 47:715
Thomomys talpoides, content, 49:700
Favour, P. G., Jr.:
(see Manville, R. H.)
Fay, F. H.:
Technique for trapping small tundra mammals in winter, 41:141
The number of ribs and thoracic vertebrae in pinnipeds, 48:144
Fay, L. D.:
A two-headed white-tailed deer fetus, 41:411
(see Johnson, H. E.)
Fecundity:
Geomys, 43:1
Microtus, 42:486
Odocoileus, 43:112
Thomomys, 41:41
Feeding:
Antrozous pallidus, 50:370
Callorhinus ursinus, 47:195
Desmodus rotundus, 43:17; 50:241
Dryomys, 45:76
Eptesicus fuscus, 49:48; 50:370
Eumetopias jubata, 47:195
Felis, 43:417
Gazella, 48:189
Geomys bursarius, 47:132
Lasiurus borealis, 50:370
Lutra, 45:449
mammals, steppe, 47:213
Myocastor, 42:269
Myotis lucifugus, 50:370
Myotis velifer, 47:524
Natalus, capt., 43:450
Noctilio labialis, 50:370
Phyllostomus hastatus, 47:125
Pipistrellus, 50:370
Plecotus, 50:370
Tadarida brasiliensis, capt., 47:524
Zalophus californianus, 47:195
Felis, 50:122; wt., 43:362
atrox, 50:367
caracal, West Pakistan, 48:402
catus: Tokelau Is., 47:703; Johnston Atoll, 47:728; hearing, 50:567
chaus, U. S. S. R., 47:353
chaus kutas, West Pakistan, 48:402
concolor, 42:116; 50:368; 838; longev., 41:113; Puebla, 41:519; Penn., 42:117; reprod., 42:204; British Columbia, cannibal., 44:586; Nev., ecol., 45:397; South

America, 47:354; prey size, 47:605; Okla., Ark., Mo., La., distr., 50:371
concolor coryi, La., distr., 47:727; Fla., La., meas., distr., 42:278
concolor cougar, Maine, W. Va., 42:278
domestica, hab., 42:424
domesticus, feed., pred., 43:417
inexpectata, 42:277
leo, behav., 44:110
libyca ornata, West Pakistan, 48:402
longicrus, 42:277
manul, 47:210
onca, 42:116, 277; Oaxaca, 41:414; South America, 47:354
onca gugusta, Mo., fos., 50:367
pardalis, 42:116; 44:388; 45:330; Fla., Pleist., 44:373; South America, 47:354
silvestris, U. S. S. R., 47:354
tigrina, South America, 47:354
viverrina, West Pakistan, 48:402
wiedii, 45:330
yagouaroundi, Fla., fos., 45:330; hearing, 50:567
Fenton, M. B.:
Myotis sodalis in caves near Watertown, New York, 47:526
Ferguson, D. E.:
The woodchuck in Mississippi, 43:107
Ferraro, M. B.:
(see Whitaker, J. O., Jr.)
Fertig, D. S., and J. N. Layne:
Water relationships in the Florida mouse, 44:322
Fertility, Peromyscus maniculatus × Peromyscus melanotis, 47:340
Fetus:
Artibeus, 41:508
Cervus canadensis resorption, 47:332
Fichter, D., and R. Williams:
Distribution and status of the red fox in Idaho, 48:219
Fighting, Taxidea with Mephitis, 41:139
Findley, J. S.:
Identity of the long-eared Myotis of the southwest and Mexico, 41:16
The fox squirrel in New Mexico, 41:403
Geographic variation in New Mexican chickarees, 42:313
Shrews from Hermit Cave, Guadalupe Mountains, New Mexico, 46:206
Brain size in bats, 50:340
(see Anderson, S.)
(see Harris, A. H.)
(see Williams, D. F.)
Findley, J. S., and C. J. Jones:
Geographic variation in the yellow-nosed cotton rat, 41:462
New United States record of the Mexican big-eared bat, 42:97
Distribution and variation of voles of the genus Microtus in New Mexico and adjacent areas, 43:154
Geographic variation in the least cotton rat in New Mexico, 44:307
Seasonal distribution of the hoary bat, 45:461
Northernmost records of some neotropical bat genera, 46:331
Comments on spotted bats, 46:679
Taxonomic relationships of bats of the species Myotis fortidens, M. lucifugus, and M. occultus, 48:429
Fine, M. D.:
An abnormal P_2 in Canis cf. C. latrans from the Hagerman fauna of Idaho, 45:483
Finney, B. A.:
(see Williams, O.)
Firbas, W.:
Supernumerary bone in a skull of a brown bear from the Kamchatka Peninsula, 49:775
Fiscus, C. H.:
Growth in the Steller sea lion, 42:218
(see Kenyon, K. W.)
(see Wilke, F.)
Fiscus, C. H., and G. A. Baines:
Food and feeding behavior of Steller and California sea lions, 47:195
Fiscus, C. H., D. W. Rice, and A. M. Johnson:
New records of Mesoplodon stejnegeri and Ziphius cavirostris from Alaska, 50:127
Fisher, K. C.:
(see Pengelley, E. T.)
Fisler, G. F.:
Behavior of salt-marsh Microtus during winter high tides, 42:37
Ingestion of sea water by Peromyscus maniculatus, 43:416
The use of water as bait for Microtus californicus, 43:555
A captive mountain beaver, 46:707
Homing in the western harvest mouse, Reithrodontomys megalotis, 47:53
Nonbreeding activities of three adult males in a band of free-ranging rhesus monkeys, 48:70
Fleharty, E. D.:
The status of the gray-necked chipmunk in New Mexico, 41:235
(see Farney, J.)
(see Harris, A. H.)
(see Jones, C. J.)
Fleharty, E. D., and C. J. Jones:
Possible Himalayan color pattern in Eutamias, 41:125
Fleharty, E. D., and L. E. Olson:
Summer food habits of Microtus ochrogaster and Sigmodon hispidus, 50:475
Flight:
Antrozous pallidus, 47:249
Eptesicus fuscus, 50:152
Eumops perotis, 47:249
Lasiurus borealis, 44:249, 272; 50:152
Lasiurus cinereus, 47:249
Macrotus californicus, 47:249
Myotis evotis, 47:249
Myotis lucifugus, 47:249, 323; 50:152
Myotis sodalis, 50:152
Myotis velifer, 47:249
Myotis yumanensis, 47:249
Nycticeius humeralis, 48:9
Pipistrellus subflavus, 50:152

Plecotus townsendii, 47:249
Tadarida brasiliensis, 47:78, 249
Tadarida molossa, 47:249
Flooding, effect on Peromyscus, 42:494
Florida:
Desmodus magnus, 41:458
Erethizon, 44:373, 381
faunal list, 44:373
Felis, 44:373; 45:330
Grampus griseus, 49:746
Kogia, 41:137
Lepus, 46:502
Lutra, 44:425
Microtus pennsylvanicus, 49:265
Monachus, 42:113
Mus musculus, 49:562
Mylagaulus, 47:401
Myotis austroriparius, 48:284
Odocoileus, 46:348
Peromyscus floridanus, 44:322
Peromyscus polionotus, 49:562
Phoca vitulina, 50:379
Physeter catodon, 41:137
Pitymys parvulus, 46:87
Pitymys pinetorum, 46:87
Saimiri sciureus, 50:834
Sigmodon hispidus, 50:810
sloth, 41:461
Spilogale putorius, 48:606
Stenella styx, 50:612
Tamias, 43:110
Tursiops, 41:281
Urocyon, 42:109; 50:161
Vulpes vulpes, 50:161
Flyger, V.:
Sika deer on islands in Maryland and Virginia, 41:140
Flyger, V. M., S. R. Smith, R. Damm, and R. S. Peterson:
Effects of three immobilizing drugs on Weddell seals, 46:345
Folk, M. A.:
The daily distribution of sleep and wakefulness in the arctic ground squirrel, 44: 575
Follicles, polyovular, Mephitis, 44:67
Food:
Acomys dimidiatus, 47:153
Ammospermophilus leucurus, 49:14
Antrozous pallidus, 42:46
Artibeus, 47:125
Artibeus cinereus, 48:654
Artibeus jamaicensis, 41:508; 48:654; 49: 787
Artibeus lituratus, 44:175; 48:654
Beamys major, 43:245
Blarina, 44:419
Canis latrans, 47:137, 143, 605
Canis lupus, 47:605
Carnivora, 47:602
Carollia perspicillata, 48:654
Castor canadensis, 50:136
Chrotopterus auritus, 47:125; 48:319
Citellus lateralis, 46:634; 47:91
Citellus tridecemlineatus, 47:310
Clethrionomys gapperi, 45:265
Condylura cristata, 47:538
Crabeater seal, 46:42
Cryptotis parva, 50:629
Cryptomys, 46:658
Desmodus rotundus, 48:654
Dryomys, 45:76
Enhydra, 45:290
Euderma maculata, 42:66; 46:667
Eumetopias jubata, 43:469; 47:195
Eumops perotis, 42:66
Eutamias minimus, 47:91, 159
Felis concolor, 47:605
Geomys bursarius, 45:588; 50:348
Glaucomys, 41:270
Glossophaga sorcina, 44:172; 48:654
Gulo, 42:546
Hemicentetes, 47:661
Herpestes auropunctatus, 43:544
Holochilus, 43:369
Hypsignathus monstrosus, 49:335
Lasiurus borealis, 42:66
Lasiurus cinereus, 47:719; 48:663
Leptonychotes weddelli, 46:37
Lepus timidus, 49:783
Lophuromys, 45:345
Lynx rufus, 47:605
Martes americana, 42:516; 47:605
Martes pennanti, 47:605
Mephitis mephitis, 47:605
Microtus agrestis, 43:365
Microtus longicaudus, 45:265
Microtus ochrogaster, 46:609; 50:475
Microtus pennsylvanicus, 46:609
Molossus ater, 50:162
Molossus major, 48:654
Mus musculus, 45:25; 47:473
Mustela erminea, 47:605
Mustela frenata, 47:605; 50:360
Mustela nivalis, 47:605
Mustela rixosa, 42:273
Myocastor, 44:261
Myotis, 46:18, 681
Napaeozapus, 44:316
Noctilio labialis, 49:310
Noctilio leporinus, 49:310
Nycticeius humeralis, 48:2
Ochotona, 41:202
Ochotona princeps, 48:311
Odobenus rosmarus, 47:507
Odocoileus, 44:284
Ondatra, 45:147
Onychomys, 41:99
Orcinus orca, 50:636
Oreamnos americanus, 48:242
Oryzomys palustris, 48:557
Ototylomys phyllotis, 50:38
Perodicticus potto, 47:156
Perognathus flavus, 43:278
Peromyscus, 44:418; 45:197, 265
Peromyscus leucopus, 47:473
Peromyscus maniculatus, 42:261; 47:473; 48:148
Peromyscus polionotus, 45:25; 49:562; 50: 368
Peropteryx macrotis, 48:654
Petaurus norfolcensis, 47:530
Phenacomys intermedius, 45:265
Phenacomys longicaudus, 43:486

Phoca vitulina, 46:103
Phyllostomus discolor, 44:171; 48:654
Phyllostomus hastatus, 47:125; 48:654
Physeter catodon, 47:142
Planigale ingrami, 50:616
Procyon lotor, 47:529
Pteropus, 47:125
Rheomys, 49:550
Sciurus aberti, 47:550
Sigmodon hispidus, 50:475
Spalax, 42:359
Spilogale putorius, 47:605
Sturnira lilium, 48:654
Sylvilagus floridanus, 46:606; 47:129; 49:340
Tadarida brasiliensis, 42:66
Tamias striatus, 47:528
Tamiasciurus douglasi, 47:525
Tamiasciurus hudsonicus, 42:240; 49:154
Tarsius, 41:512
Taxidea taxus, 47:605
Thomomys talpoides, 49:700
Urocyon cinereoargenteus, 47:605
Ursus, 45:476
Vampyrops dorsalis, 48:654
Vampyrops helleri, 48:654
Vampyrum spectrum, 49:337
Vulpes velox, 47:605
Vulpes vulpes, 47:605
Zalophus californianus, 47:195
Zapus princeps, 45:265
Fooden, J.:
A revision of the woolly monkeys (Genus Lagothrix), 44:213
Foraging:
Desmodus rotundus, 50:233
Noctilio, 49:310
Forbes, R. B.:
Notes on food of silky pocket mice, 43:278
Care and early behavioral development of a lion cub, 44:110
Drinking behavior of kangaroo rats, 44:423
Notes on a litter of least chipmunks, 47:159
Fall accumulation of fat in chipmunks, 47:715
Some aspects of the water economics of two species of chipmunks, 48:466
Forcum, D. L.:
Postpartum behavior and vocalizations of snowshoe hares, 47:543
Forearm meas., dry and fresh, discrepancy, 49:155
Fore-lien, H.
(see Jones, G. S.)
Formozov, A. N.:
Adaptive modification of behavior in mammals of the Eurasian steppes, 47:208
Forrester, D. J., and R. S. Hoffmann:
Growth and behavior of a captive bighorn lamb, 44:116
Forrester, D. J., and C. M. Senger:
Fetal measurements and milk characteristics of bighorn sheep, 46:524
Forstercooperia, dent., 47:635
Fossil:
Atopomys, 46:466
Camelops, 50:367
capybara, 42:572
Castorides ohioensis, 50:826
Cervus, 46:347
Chiroptera, 49:400
Diplomesodon, 46:189
Dulcidon, 46:393
Enhydra, 45:54
Equus, 46:347; 50:367
Equus conversidens, 48:661
Erethizon, 44:267
Horatiomys, 50:815
Kopidodon, 46:390
Lutra, 45:55
mammoth, 42:572
Mammut, 50:367
Mammuthus, 50:367
Myotis, 42:402
Notiosorex, 46:209
Odobenus, 41:501
otariid, 45:55
Ovis, 50:805
Palustrimus, 50:815
Paracricetodon, 49:529
Paroxyclaenus, 46:389
Plecotus, 42:402
Prothryptacodon *albertensis*, 49:661
Pugiodens, 46:390
Qurliqnoria, 49:769
Russellites, 46:392
Sigmodon minor, 50:375
Smilodon, 50:367
Sorex, 46:206
Sylvilagus, 42:408; 46:347
Symbos, 42:114; 50:367
Synaptomys, 44:275
Tapirus, 45:58
Urocyon, 46:265
Zapus, 44:248
Foster, J. B.:
Life history of the phenacomys vole, 42:181
Foster, J. B., and R. L. Peterson:
Age variation in Phenacomys, 42:44
Fox:
gray, pred., 45:180
kit, pred., 48:537
Fox, R. C.:
A new Paleocene mammal (Condylarthra: Arctocyonidae) from a well in Alberta, Canada, 49:661
France:
Ondatra, 44:574
Phoca vitulina 48:249
Frank, T.:
(see Long, C. A.)
Frary, L. G.:
(see Anderson, A. E.)
Free, P.:
(see McCarley, H.)
Free, S.:
(see Goss, R. J.)
Freedman, L.:
A biometric study of Papio cynocephalus skulls from Northern Rhodesia and Nyasaland, 44:24
Freiheit, C. F.:
Courtship activity of the paca, 46:707

French, C. E., L. C. McEwen, N. D. Magruder, T. Rader, T. A. Long, and R. W. Swift:
Responses of white-tailed bucks to added artificial light, 41:23
French Guinea:
Micropotamogale, 41:113
Uroderma bilobatum, 49:689
French, N. R., B. G. Maza, and A. P. Aschwanden:
Life spans of Dipodomys and Perognathus in the Mojave Desert, 48:537
French, N. R., R. Y. Tagami, and P. Hayden:
Dispersal in a population of desert rodents, 49:272
Friend, M., and W. Hesselton:
A woolly-coated white-tailed deer from New York state, 47:154
Frischknecht, N. C.:
Deer mice on crested wheatgrass range, 46:529
Frozen specimens, wt. changes, 46:110
Funambulus:
palmarum, gls., 46:31
pennanti, 47:73; India, breed., 41:387; hab., 41:515
pennanti argentescens, West Pakistan, 48:396
Funderburg, J. B.:
Erythristic raccoons from North Carolina, 42:270
Fossil manatee from North Carolina, 41:521
(see Barkalow, F. S., Jr.)
Funisciurus carruthersi, 42:152

G

Gaertner, R. A.:
(see Bernard, R. F.)
Gaits:
giraffa, 41:282; 43:88
okapi, 41:282
Galago, 41:401; skin, 47:285
crassicaudatus, repro., 41:401; Mozambique, 49:119
crassicaudatus lonnbergi, Mozambique, meas., 46:158
senegalensis, Mozambique, 49:119
senegalensis granti, Mozambique, meas., 46:258
Galapagos Islands:
Lasiurus, 42:531
Steno bredanensis, 46:101
Zalophus californianus, 48:62
Galbreath, E. D.:
Three beaked whales stranded on the Midway Islands, Central Pacific Ocean, 44:422
Galea musteloides littoralis, Brazil, distr., 45:315
Galictis, dent., 48:294
Gambino, J. J.:
(see Hayden, P.)
Gardner, A. L.:
Bat records from the Mexican states of Colima and Nayarit, 43:102
(see Cockrum, E. L.)
Garner, H.:
(see Packard, R. L.)
Garner, K. M.:
Some new nutria foods, 44:261
Gashwiler, J. S.:
Longevity and home range of a Townsend chipmunk, 46:693
(see Robinette, W. L.)
Gashwiler, J. S., W. L. Robinette, and O. W. Morris:
Breeding habits of bobcats in Utah, 42:76
Gass, G. H.:
(see Pfeiffer, C. J.)
Gazella:
albonotata, 48:194
bennetti, India, breed., 41:387
gazella, India, breed., 41:387; East Africa, wt., 43:78
granti, 46:56; behav., 48:189; West Pakistan, 48:404
granti notata, 48:192
pelzelnii, 48:194
spekei, 41:113
subgutterosa, 47:210, 218
thomsonii, East Africa, wt., 43:78; behav., 48:189
Geil, E. H.:
(see Handley, C. O., Jr.)
Geist, O. W., J. L. Buckley, and R. H. Manville:
Alaskan records of the narwhal, 41:250
Geist, V.:
On the rutting behavior of the mountain goat, 45:551
(see Cowan, I., McT.)
Genelly, R. E.:
Ecology of the common mole-rat (Cryptomys hottentotus) in Rhodesia, 46:647
Genet, fd., 49:335
Genetics:
dentition, abnorm., 47:710
Martes, 42:112
Mus, 41:220
Mus musculus, pop., 48:88
Ondatra, 43:104
Peromyscus maniculatus, 47:522; 49:420
Rattus rattus, color, 44:537; 47:423
Reithrodontomys, 49:726
Tadarida, 42:533
Genetta rubiginosa zambesiana, Mozambique, meas., 46:260
Genital structures, Myocastor, Ondatra, Sigmodon, 45:493
Gennaro, A. L.:
Color variation of the hispid cotton rat in New Mexico, 49:317
Genoways, H. H., and J. K. Jones, Jr.:
Notes on bats from the Mexican state of Zacatecas, 49:743
Notes on pocket gophers from Jalisco, Mexico, with descriptions of two new subspecies, 50:748
(see Jones, J. K., Jr.)
Gentry, A. W.:
The extinct bovid genus Qurliqnoria Bohlin, 49:769

Gentry, J. B.:
Homing in the old-field mouse, 45:276
Invasion of a one-year abandoned field by Peromyscus polionotus and Mus musculus, 47:431
(see Golley, F. B.)
Gentry, J. B., E. P. Odum, M. Mason, V. Nabholz, S. Marshall, and J. T. McGinnis:
Effect of altitude and forest manipulation on relative abundance of small mammals, 49:539
Gentry, J. B., and M. N. Smith:
Food habits and burrow associates of Peromyscus polionotus, 49:562
Gentry, R. L.:
(see Peterson, R. S.)
Geogale aurita, torpor, 47:683
Geographical variation:
Perognathus penicillatus, 48:364
Sigmodon, 44:307
Sigmodon ochrognathus, 41:462
Geomys, 50:6
breviceps, 43:1; repro., 41:39
bursarius, Colo., burrows, 42:171; Colo., cranial asymmetry, 42:412; Colo., caged, hab., record., trapping, 42:543; Colo., sex and age ratios, repro., disper., soc. behav., 43:1; reingestion, 43:267; dent., 44:270; Colo., fd., hab., 45:488; gls., 46:32; fd., feed. and groom. behav., evol., 47:132; burrows, 47:314; trapping, 47:729; Tex., microbial digest., reingestion, 50:348
personatus, reingestion, 43:267
pinetis, 43:1; Fla., repro., 41:35; breed. behav., 42:170
George, W. A., Jr.:
(see Bradshaw, W. N.)
Georgia:
Clethrionomys gapperi, 48:670
Cryptotis parva, 50:629
Lasiurus intermedius, 50:845
Martes americana, 42:545
Martes pennanti, 41:409
Microsorex hoyi, 49:158
Mus musculus, 47:431
Mustela, 45:305
Myotis austroriparius, 47:128; 48:645; 49:116
Myotis leibii, 48:142
Myotis lucifugus, 49:116
Nycticeius humeralis, 49:314
Ochrotomys nuttalli, 48:670
Odobenus rosmarus, 41:501
Oryzomys palustris, 48:557
Peromyscus leucopus, 48:670
Peromyscus maniculatus, 48:670
Peromyscus polionotus, 47:431
Pipistrellus subflavus, 48:142
Pitymys, 41:129; 46:87
Sigmodon, 42:106; 45:305
Sorex cinereus, 49:158
Sylvilagus, 41:269; 42:255
Sylvilagus palustris, 47:527
Tamiasciurus hudsonicus, 49:153
Gerbillus:
dasyurus, 48:260
dasyurus indus, West Pakistan, 48:398
dasyurus mesopotamiae, 50:614
gerbillus, gls., 46:33; 50:254
gleadowi, West Pakistan, 48:398
pyramidum, 49:726
Gerenuk, 47:54
Germany:
Erinaceus europaeus, 47:660
Sorex, 44:523, 534
Gestation:
Canis, 50:830
Chiropidomys gliroides, 48:21
Citellus lateralis, 48:492
Crocidura, 46:431
Dasycercus cristicauda, 50:633
Glaucomys sabrinus, 50:121
Leontocebus, 41:253
Lepus californicus, 46:97
Marmota flaviventris, 50:760
Microtus, 46:434
Mus, 45:23
Neotoma, 43:328
Neotoma mexicana, 49:533
Onychomys leucogaster, 49:513
Pecari, 42:425
Perognathus longimembris, 47:420
Peromyscus, 45:23, 387
Setonix, 45:616
Spilogale putorius, 43:421; 49:385
Tachyoryctes ruandae, 50:383
Thomomys, 42:167
Getz, L. L.:
Middle Pleistocene carnivores from southwestern Kansas, 41:361
Home ranges of the bog lemming, 41:404
A method for comparing curvatures of small skulls, 41:527
Home ranges, territoriality, and movement of the meadow vole, 42:24
New locality records of some Kansas mammals, 42:282
A local concentration of the least shrew, 43:281
Aggressive behavior of the meadow and prairie vole, 43:351
Longevity of two captive prairie voles, 46:514
Salt tolerances of salt marsh meadow voles, 47:201
A comparison of the water balance of the forest deer mouse and the white-footed mouse, 49:520
Influence of weather on the activity of the red-backed vole, 49:565
(see Miller, D. H.)
(see Novak, M. A.)
(see Winkelmann, J. R.)
Ghana, Anomalurus pelii, 47:336
Ghiselin, J.:
Thomomys bottae in Granite Springs Valley, Pershing County, Nevada, 46:525
Ghosh, A. K.:
(see Louch, C. D.)
(see Southwick, C. H.)
Giacometti, L.:
(see Machida, H.)

Gier, H. T.:
(see Rolan, R. G.)
Gilbert, F. F.:
Analysis of basic vocalizations of the ranch mink, 50:625
Gilbert, F. F., and E. D. Bailey:
The effect of visual isolation on reproduction in the female ranch mink, 48:113
Gilbert Islands, Rattus, 48:649
Gilbert, P. F., and R. R. Hill:
A badger-skunk encounter, 41:139
Gilmore, R. M.:
Whales without flukes or flippers, 42:419
A pelagic immature northern fur seal, 42:549
(see Mahnken, R.)
Giraffa:
camelopardalis, repro., capt., 43:427; East Africa, wt., locomo., 43:78; Southern Rhodesia, repro., 43:534, 550; Mozambique, 46:261
camelopardalis tippelskirchi, Tanganyika, hab., 41:166
camelopardalis wardi, 43:551
hagenbecki, 43:551
reticulata nigrescens, 43:551
Giraffe, gaits, 41:282
Glands:
adrenal, 44:451; 46:699; 47:1, 28; 48:475
adrenal cortex, 46:446
apocrine, 41:213; 43:303; 47:156
endocrine, 47:266
facial, 47:718
midventral, 47:331
mucous, 46:23
odoriferous, 48:420
pararhinal, 47:357
pituitary, 46:548
salivary, 43:359
scent, 43:328
sebaceous, 44:537; 46:23; 47:283, 331; 48:142; 49:267, 427
sudoriferous, 47:23
sweat, 48:420
taxonomic significance, 46:35
Glands of:
Acomys, seb., mucous, 46:33
Alticola, seb., 49:427
Antrozous pallidus, pararhinal, 47:357
Aplodontia, seb., 46:31
Apodemus, seb., 46:33
Arvicanthis, seb., 46:33
Arvicola, seb., 46:34
Aschizomys, seb., 49:427
Bandicota, seb., 46:33
Blarina, sweat, odor., 48:420
Capromys, seb., mucous, 46:31
Chalinolobus, facial, 47:718
Clethrionomys, apocrine sweat, 43:303; seb., sudorif., mucous, 46:32; seb., 49:427
Cricetulus, seb., mucous, 46:32
Dicrostonyx, seb., sudorif., mucous, 46:32; seb., 49:427
Dipodomys, seb., mucous, 46:32
Eothenomys, seb., 49:427
Eutamias, seb., mucous, 46:31
Funambulus, 46:31
Geomys, 46:32
Gerbillus, seb., mucous, 46:33
Glaucomys, seb., sudorif., 46:31
Heterocephalus, seb., mucous, 46:31
Jaculus, seb., mucous, 46:33
Lagurus, seb., sudorif., mucous, 46:32; 49:427
Lemmus, seb., sudorif., mucous, 46:32; seb., 49:427
Liomys, seb., 46:31
Meriones, seb., mucous, 46:32; seb., 48:142
Mesocricetus, seb., mucous, 46:32
Microdipodops, seb., mucous, 46:32
Microtus, apocrine sweat, 43:303; seb., sudorif., mucous, 46:32; seb., 49:427
Microtus pennsylvanicus, adrenal, 47:1
Mus, seb., mucous, 46:33; adrenal, 47:28
Mustela vison, pituitary, 46:549
Myocaster, salivary, 43:359
Napaeozapus, seb., mucous, 46:33
Neofiber, seb., 49:427
Neotoma, scent, 43:328; seb., sudorif., mucous, dermal, 44:541; 46:32
Nesokia, seb., 46:33
Ochotona princeps, apocrine sweat, 41:213
Odocoileus virginianus, endocrine, 47:266
Ondatra, seb., sudorif., mucous, 46:32
Onychomys, seb., sudorif., mucous, 46:32
Ornithorhynchus, sudorif., 46:34
Oryzomys, seb., sudorif., mucous, 46:32
Perodicticus potto, apocrine, 47:156
Perognathus, seb., 46:31
Peromyscus, seb., sudorif., mucous, 46:32; thymus, 50:316
Phenacomys, seb., sudorif., mucous, 46:32; seb., 49:427
Pitymys, seb., sudorif., mucous, 46:32
Rattus, seb., sudorif., mucous, 46:33; seb., 47:331
Reithrodontomys, seb., sudorif., mucous, 46:32
Sigmodon, seb., sudorif., mucous, 46:32; adrenal, 46:699
Spermophilus, seb., sudorif., mucous, 46:31
Spermophilus beecheyi, adrenal cortex, 46:446
Suncus murinus, odor., 48:420
Sylvilagus floridanus, adrenal, 48:475
Synaptomys, apocrine sweat, 43:303; seb., sudorif., 46:32; seb., 49:427
Tamandua tetradactyla, eccrine sweat, 47:283
Tamias, seb., mucous, 46:31
Tamiasciurus, seb., sudorif., mucous, 46:31
Tatera, seb., mucous, 46:33
Thomomys, seb., mucous, 46:32
Thomomys umbrinus, adrenal, 44:451
Zapus, seb., mucous, 46:33
Glass, B. P., and A. F. Halloran:
The small mammals of the Wichita Mountain Wildlife Refuge, Oklahoma, 42:234
Glaucomys:
sabrinus, Calif., fd., 41:270; N. Y., 43:262; repro., behav., 50:121
volans, 50:121; Ind., 41:257; Mo., 45:304; S. C., 46:4; gls., 46:31; La., breed. seas.,

46:510; Alberta, 47:541; Tenn., par., 48: 40; Ark., 49:530; N. C., 49:539; repro., photoperiod, 50:542
volans saturatus, Okla., 42:237
Glauconycteris, tax., 47:86
Glazener, W. C.:
An unusual antler-drop schedule in the white-tailed deer, 50:156
(see Knowlton, F.)
Glirids, Old World, size, 43:503
Glis glis, comp., 45:84; metab. rhythm, 46: 478
Globicephala, 49:748; signals, 50:725
brachyptera, 44:113
edwardi, tax., 41:29
guadaloupensis, 44:113
indica, 43:403
intermedius, 44:113
macrorhyncha, tax., distr., 41:29; comp., color, 43:395; West Indies, distr., 44:113
melaena, 44:114; 49:794; 50:150; tax., distr., map, 41:29; occur., 49:260
melaena edwardi, comp., color, 43:395
melaena melaena, comp., color, morphometry, 43:395
scammoni, comp., color, 43:395; comp., 46: 451
Glossophaga, Jamaica, 47:351
caudifer, 47:234
commissarisi, Guatemala, Honduras, Nicaragua, 45:275
ecaudata, 47:234
longirostris, Colombia, 43:422; Colombia, meas., 44:171
soricina, 41:268; 47:235; Mexico, distr., 43:108; Trinidad, Colombia, meas., 44: 172; Colombia, distr., 44:263; Sonora, distr., 46:330; pred., 46:496; Colombia, fd., 48:653
soricini leachi, Michoacan, 42:121; Mexico, 42:536; Mexico, hab., 44:49; Sonora, 46:497; Guatemala, 49:518; Zacatecas, 49:743
Glucose, Citellus lateralis, blood levels in hiber., 48:381
Glyptodon, 50:122
Goat, 43:515; 45:309
Goates, Morris A.:
(see Killpack, M. L.)
Godfrey, G. K.:
The influence of increased photoperiod on reproduction in the dasyurid marsupial, Sminthopsis crassicaudata, 50:132
Goertz, J. W.:
A visceral abnormality in the cotton rat, 43:269
Range extension of the muskrat in California, 45:480
Sex, age and weight variation in cotton rats, 46:471
Late summer breeding of flying squirrels, 46:510
Adrenal and spleen weights in cotton rats in relation to age, sex and season, 46:699
Goertz, J. S., and R. Abegg:
Pumas in Louisiana, 47:727
Golley, F. B.:
Anatomy of the digestive tract of Microtus, 41:89
Trap and bait preference of cotton rats, 42:106
(see Carmon, J. L.)
Golley, F. B., J. B. Gentry, L. D. Caldwell, and L. B. Davenport, Jr.:
Number and variety of small mammals on the AEC Savannah River Plant, 46:1
Golley, F. B., E. L. Morgan, and J. L. Carmon:
Progression of molt in Peromyscus polionotus, 47:145
Goodpaster, W.:
(see Smith, E.)
Goodwin, D. L., and P. O. Currie:
Growth and development of black-tailed jack rabbits, 46:96
Goodwin, R. E.:
(see Whitaker, J. O., Jr.)
Gopher, pocket, alb., 43:270
Gordon, D. C.:
Adirondack record of flying squirrel above timber line, 43:262
Gordon, R. E., and J. R. Bailey:
The occurrence of Parascalops breweri on the Highlands Plateau, North Carolina, 44:580
Gorgon:
albojubatus, longev., 41:113
taurinus, gallops, 50:825
Gorilla gorilla, pop. dens., hab., aggressive behav., 47:123
Goss, R. J., C. W. Severinghaus, and S. Free:
Tissue relationships in the development of pedicles and antlers in the Virginia deer, 45:61
Gottschang, J. L.:
Winter populations of small mammals in old fields of southwestern Ohio, 46:44
Gough, B. J., and S. S. Kilgore:
A comparative hematological study of Peromyscus in Louisiana and Colorado, 45:421
Gould, E.:
Flight behavior in leaf-nosed bats, 41:268
Gould, E., and J. F. Eisenberg:
Notes on the biology of the Tenrecidae, 47: 660
Gould, P. J.:
Emergence time of Tadarida in relation to light intensity, 42:405
Graham, W. J., and H. W. Ambrose, III:
A technique for continuously locating small mammals in field enclosures, 48:639
Grammomys dolichurus, Nyasaland, 43:240
Grampidelphis, nomen., 47:342
Grampus, sounds, 50:722
griseus, 50:151, 724; Pacific Coast, fd., nomen., 47:341; Wash., 49:347; Gulf of Mexico, 49:746
orca, Bay of Fundy, 49:261
stearnsii, tax., 47:341
Graphiurus murinus, comp., 45:84
Grazing succession, East Africa, 41:161
Greece, Spalax, 42:359

Greenhall, A. M.:
Use of mist nets and strychnine for vampire control in Trinidad, 44:396
Oranges eaten by spear-nosed bats, 47:125
Notes on the behavior of the false vampire bat, 49:337
Greenland:
Ovibos, 45:1
Phoca vitulina, 48:249
Greer, J. K.:
Southern yellow bat from Durango, Mexico, 41:511
Another record of the Andean highland cat from Chile, 46:507
(see Baker, R. H.)
Gregory, J. T.:
(see Camp, C. L.)
Gregory, S. S., obit., 46:546
Gregorymys, 50:816
Griffin, D. R., and H. B. Hitchcock:
Probable 24-year longevity records for Myotis lucifugus, 46:332
Grigg, R. W., and T. Dana:
Accidental encounter with a whale, 50:818
Grimes, J. E.:
(see Wiseman, J. S.)
Griphomys, 46:419
Growth:
Alouatta caraya, lens, 47:58
Antrozous pallidus, 50:729
Chiropodomys gliroides, 48:23
Dipodomys merriami, 41:48
Dipodomys stephensi, 48:624
Dryomys, 45:78
Echinops, 47:678
Eptesicus fuscus, 49:47
equation, female elephants, 49:28
Eschrichtius, 45:93
Eumetopias, 42:218; 43:69
Hemicentetes, 47:668
Lepus americanus, 46:417
Lepus californicus, 46:96
Loxodonta africana, 46:378; 49:22
Lynx, 45:39
mammals, Malaysian, 46:588
Marmota flaviventris, 50:756
Microtus californicus, 46:569
Monachus schauinslandi, 49:229
Mus musculus, 47:694
Neotoma, 41:480; 43:328
Nycticeius humeralis, 48:1
Nyctomys sumichrasti, 46:184
Ochotona, 41:207
Ochrotomys nuttalli, 48:445
Odocoileus, 41:23; 45:226; 47:268
Onychomys torridus, 49:644
Ovis, 44:116
Potorous, 41:441
Sigmodon, 46:473
Spermophilus lateralis, 50:627
Suncus murinus, 49:51
Sylvilagus palustris, 47:527
Guam, Suncus murinus, 49:51
Guanaco, 47:18
Guano, 42:66
Guatemala:
Dicotyles tajacu, 50:121
Didelphis marsupialis, 47:709
faunal list, bats, 49:517
Glossophaga commissarisi, 45:375
Leptonycteris, 47:329
local list, bats, 49:517
Mus musculus, 47:733
Otonyctomys, 46:335
Ototylomys phyllotis, 50:39
Uroderma bilobatum, 49:695
Vampyrops helleri, 45:383
Guerrero:
Desmodus rotundus, 44:557
Macrotus waterhousii, 49:707
Notiosorex, 44:424
Rhogeessa gracilis, 48:285
Guerriere, A.:
(see Wimsatt, W. A.)
Guianas, Anoura caudifer, 47:232
Guilday, J. E.:
Prehistoric record of Scalopus from western Pennsylvania, 42:117
Plecotus from the Pennsylvania Pleistocene, 42:402
Abnormal lower third molar in Odocoileus, 42:551
Supernumerary molars of Otocyon, 43:455
Rangifer antler from an Ohio bog, 47:325
Archaeological evidence of caribou from New York and Massachusetts, 49:344
Guilday, J. E., and P. W. Parmalee:
Lower third molar in Procyon, 47:149
Guiler, E. R.:
The pouch young of the potoroo, 41:441
Breeding season of the thylacine, 42:396
A stranding of Mesoplodon densirostris in Tasmania, 47:327
Stranding of three species of Mesoplodon in Tasmania, 48:650
Guinea pig, 44:549; 48:48; 49:284
Gulf of Mexico:
faunal list, 41:136
Stenella styx, 50:612
Gulo, 45:248
gulo, 50:838; Mont., distr., 45:485; Alas., Aleutian Is., 48:125
luscus, 45:629; Alas., hab., 43:263
luscus luscus, Iowa, wt., meas., fd., 42:546
Gunderson, H. L.:
A self-trapped gray fox, 42:270
An unusual cause of death of a white-tailed deer, 42:553
Marten records for Minnesota, 46:688
Gunther, W. C.:
The origin and homology of the male reproductive system in Thomomys bottae, 41:243
Gunvalson, V. E.:
(see Petraborg, W. H.)
Gupta, B. B.:
Investigations of the rolling mechanism in the Indian hedgehog, 42:365
Anatomy of the thigh and posterior axial region of two genera of Indian hedgehogs, 46:210
Gupta, B. B., and H. L. Sharma:
Birth and early development of Indian hedgehogs, 42:398

Gut, J. H.:
(see Ray, C. E.)
Guthrie, D. A.:
A new species of dichobunid artiodactyl from the early Eocene of Wyoming, 47:487
The tarsus of early Eocene artiodactyls, 49:297
The carotid circulation in Aplodontia, 50:1
Guthrie, R. D.:
Pelage of fossil bison—a new osteological index, 47:725

H

Habeck, J. R.:
Tree-caching behavior in the gray squirrel, 41:125
Haber, G. C.:
(see Stones, R. C.)
Habitat:
Acomys dimidiatus, 47:153
Aepyceros, 43:375
Alces, 41:525
Ammospermophilus, 44:192
Anoura, 41:511
Apodemus, 41:438
Arctocephalus townsendi, 49:665
Blarina, 47:182
Calomys, 41:517
Clethrionomys gapperi, 48:670
Didelphis, 45:120
Dipodomys, 41:517; 44:193
Dipodomys ordi, 47:118
Dryomys, 45:70
Echymipera clara, 47:721
Echymipera rufescens, 47:722
Equus burchelli, 46:58
Equus grevyi, 46:58
Erethizon dorsatum, 47:123
Gazella granti, 48:189
Gazella thomsonii, 48:189
Gorilla gorilla, 47:123
Holochilus, 43:369
Lasiurus borealis, 47:37
Lasiurus cinereus, 47:37
Leptonycteris nivalis, 47:329
Leptonycteris sanborni, 47:329
Lepus, 41:517; 44:420
Lepus alleni, 47:123
Lophuromys, 45:345
Lynx, 41:517
Microsorex hoyi, 48:617
Microtus californicus, 49:239
Microtus ochrogaster, 46:605
Microtus pennsylvanicus, 46:608; 47:2
Mus musculus, 45:22; 47:434, 473
Myotis austroriparius, 48:646
Napaeozapus, 44:316
Neotoma, 41:482
Neotoma cinerea, 50:46
Neotoma fuscipes, 50:43
Onychomys leucogaster, 47:118
Onychomys torridus, 44:195
Otonyctomys, 46:335
Ototylomys phyllotis, 50:36
Perognathus, 44:198
Perognathus flavescens, 47:118
Perognathus flavus, 47:118
Peromyscus, 41:438, 517; 44:195, 273; 45:22, 192; 46:338
Peromyscus leucopus, 47:473
Peromyscus maniculatus, 47:118, 473; 49:239
Peromyscus polionotus, 47:434
Peroryctes longicauda, 47:721
Phacocoerus aethiopicus, 47:134
Potamochoerus porcus, 47:136
Rattus exulans, 47:702; 48:649
Rattus rattus, 48:649
Reithrodontomys megalotis, 49:239
Reithrodontomys montanus, 47:118
Rheomys, 49:550
Rhinopoma hardwickei, 47:153
Rousettus aegyptiacus, 47:153
Scotinomys, 41:492
Sigmodon hispidus, 47:119
Sigmodon ochrognathus, 41:462
Sorex arcticus, 47:182
Sorex cinereus, 47:182; 48:617
Sorex merriami, 48:617
Sorex nanus, 48:617
Sorex palustris, 48:617
Sorex vagrans, 42:455; 48:617
Spermophilus armatus, 47:580
Spermophilus beldingi, 47:580
Spermophilus brunneus, 47:580
Sylvilagus, 41:517
Thomomys, 41:517
Urocyon, 41:517
Zapus hudsonius, 47:123
Habits: (see also Behavior)
Aplodontia, 46:707
Beamys, 43:247
Choeronycteris, 43:101
Condylura, 42:528
Cryptotis, 44:427
Didelphis, 42:397, 424
Dipodomys, 42:413
Dipodomys hermanni, 41:126
Eumetopias, 43:469
Eumops, 42:404
Felis, 42:424
Funambulus, 41:515
Holochilus, 43:369
Lagothrix, 44:213
Mephitis, 42:424; 46:673
Myotis, 42:400
Natalus, 43:453
Pipistrellus, 46:270
Plecotus, 42:402
Procyon, 42:424
Rattus, 42:349
Reithrodontomys, 42:323
Spalax, 42:359
Tadarida, 42:405; 43:47
Tamias, 43:110
Thomomys talpoides, 41:469
Urocyon, 42:424
Ursus, 41:408
Haft, J. S.:
Malformations of molars in Microtus breweri (Baird), 44:270

Haga, R.:
Observations on the ecology of the Japanese pika, 41:200
Hair:
Odocoileus virginianus, abnorm., 47:154
Potorous, 41:443
Tamandua tetradactyla, follicles, 47:282
Halianassa, 48:143
Halichoerus grypus, 44:281; 48:63; Quebec, 43:512; breed. seas., 47:467; Conn., Mass., zoogeog., skel. remains arch. sites, 48:139
Hall, A. B.:
Musk-oxen in Jameson Land and Scoresby Land, Greenland, 45:1
Hall, E. R.:
Bison bison in Nevada, 42:279
Hall, J. S.:
Myotis austroriparius in central Kentucky, 42:399
Notes on Plecotus rafinesquii in central Kentucky, 44:119
(see Bader, R. S.)
(see Jegla, T. C.)
Hall, J. S., and C. H. Blewett:
Bat remains in owl pellets from Missouri, 45:303
Hall, J. S., and F. J. Brenner:
Summer netting of bats at a cave in Pennsylvania, 49:779
Hall, K. R. L., and G. B. Schaller:
Tool-using behavior of the California sea otter, 45:287
Halloran, A. F.:
An Arizona specimen of the red fox, 43:432
(see Glass, B. P.)
Halvorson, C. H.:
Curiosity of a marten, 42:111
Hamilton, W. J., Jr.:
Reproduction of the striped skunk in New York, 44:123
Distribution of the fox squirrel in New York, 44:124
Retirement of, 44:146
Hamilton, W. J., Jr., and W. R. Eadie:
Reproduction of the otter, Lutra canadensis, 45:242
Hamilton, W. J., III:
Reproductive adaptations of the red tree mouse, 43:486
Hammer, D. A.:
Changes in the activity patterns of deer mice (Peromyscus maniculatus) caused by wind, 50:811
Hamsters, 47:212; double mating, 47:311
Hancock, D.:
Killer whales kill and eat a minke whale, 46:341
Handley, C. O., Jr., R. Stafford, and E. H. Geil:
A West Virginia puma, 42:277
Hanney, P.:
The harsh-furred rat in Nyasaland, 45:345
Hanney, P., and B. Morris:
Some observations upon the pouched rat in Nyasaland, 43:238
Hansen, C. G.:
White spotting in bighorn sheep from the Desert Game Range, Nevada, 46:352
Hansen, E. L.:
Muskrat distribution in south-central Oregon, 46:669
Hansen, K. L., and H. F. Weaver:
Another Florida record of the goose-beaked whale, 44:575
Hansen, R. M.:
Age and reproductive characteristics of mountain pocket gophers in Colorado, 41:323
Cotton rat from Kiowa County, Colorado, 44:126
Pocket gopher density in an enclosure of native habitat, 46:508
(see Vaughan, T. A.)
Hansen, R. M., and G. D. Bear:
Winter coats of white-tailed jackrabbits in southwestern Colorado, 44:420
Comparison of pocket gophers from alpine, subalpine and shrub-grassland habitats, 45:638
Hansen, R. M., and M. J. Morris:
Movement of rocks by northern pocket gophers, 49:391
Haplomylomys, 48:210; comp., 43:485; syst., 50:501
Haplomylus, 46:393
Hardin, J. W.:
(see Davis, W. H.)
(see Patterson, A. P.)
Hares, 47:212
Haresign, T.:
A technique for increasing the time of dye retention in small mammals, 41:528
Harger, E. M.:
(see Bookhout, T. A.)
(see Ozoga, J. J.)
Harington, C. R.:
Extralimital occurrences of walruses in the Canadian Arctic, 47:506
Harpiocephalus suillus, 42:532
Harpionycteris celebensis, Celebes, bacu., 43:41
Harris, A. H.:
(see Findley, J. S.)
(see Jones, C. D.)
Harris, A. H., and J. S. Findley:
Status of Myotis lucifugus phasma and comments on variation in Myotis yumanensis, 43:192
Harris, A. H., and E. D. Fleharty:
Extra tooth in the long-tailed vole, 43:267
Harrison, D. L., and R. E. Lewis:
The large mouse-eared bats of the Middle East, with description of a new subspecies, 42:372
Harrison, J. L.:
A simple trap for squirrels, 41:142
Hart, F. M., and J. A. King:
Distress vocalizations of young in two subspecies of Peromyscus maniculatus, 47:287

Harte, H. D.:
(see Johnson, H. E.)
Harvey, E. B., and L. E. Rosenberg:
An apocrine gland complex of the pika, 41:213
Harvey, M. J.:
(see Rippy, C. L.)
Harvey, M. J., and R. W. Barbour:
Home range of Microtus ochrogaster as determined by a modified minimum area method, 46:398
Hassell, M. D.:
(see Barbour, R. W.)
(see Davis, W. H.)
Hattin, D. E.:
(see Cuffey, R. J.)
Haugen, A. O.:
Wolverine in Iowa, 42:546
Fetus resorption in elk, 47:332
Haugen, A. O., and E. L. Hove:
Vitamins A and E in deer blood, 41:410
Haugen, A. O., and E. M. Mustard, Jr.:
Velvet-antlered pregnant white-tailed doe, 41:521
Hawaii:
Feresa, 46:450
Megaptera, 50:726
Monachus schauinslandi, 41:376; 49:229; 50:841
Physeter, 41:407; 50:726
Rattus exulans, 44:537; 47:331
Rattus rattus, 47:423; 49:74
Stenella, 46:500
Tursiops, 41:407
Hawkins, R. E., J. E. Schwegman, D. C. Autry, and W. D. Klimstra:
Antler development and loss for southern Illinois white-tailed deer, 49:522
Hayden, P.:
Food habits of black-tailed jack rabbits in southern Nevada, 47:42
(see Chew, R. M.)
(see French, N. R.)
(see Tagami, T.)
Hayden, P., J. J. Gambino, and R. G. Lindberg:
Laboratory breeding of the little pocket mouse, Perognathus longimembris, 47:412
Hays, H. A., and D. C. Bingman:
A colony of gray bats in southeastern Kansas, 45:150
(see Ireland, P. H.)
(see Long, C. A.)
Hayse, A.:
(see James, P.)
Hayward, B. J.:
Notes on Plecotus phyllotis from Arizona, 42:402
A maternity colony of Myotis occultus, 44:279
(see Bradshaw, G. V.)
(see Dickerman, R. W.)
Hayward, B., and R. Davis:
Flight speeds in western bats, 45:236
Hayward, C. L.:
(see Jorgensen, C. D.)
Hayward, J. S.:
Abnormal concentrations of respiratory gases in rabbit burrows, 47:723
Hazard, E. B.:
The subgeneric status and distribution in time of Citellus rexroadensis, 42:477
Records of the opossum in northern Minnesota, 44:118
Hearing:
Carnivora, 50:567
Myotis, 50:157
Heart rate:
Blarina brevicauda, 46:424
Citellus, 45:124
Ursus americanus, 47:328
Heaton, W. C.:
(see Peterson, E. A.)
Heatwole, H., J. F. Arroyo-Salaman, and G. Hernandez:
Albinism in the bat, Molossus fortis, 45:476
Hegdal, P. L., A. L. Ward, A. M. Johnson, and H. P. Tietjen:
Notes on the life history of the Mexican pocket gopher (Cratogeomys castanops), 46:334
Heidt, G. A., M. K. Petersen, and G. L. Kirkland, Jr.:
Mating behavior and development of least weasels (Mustela nivalis) in captivity, 49:413
Helaletes nanus, tax., dent., 47:632
Helarctos malayanus, capt., repro., 42:427
Heliophobius cinereoargenteus, 46:650
Heliosciurus rufobrachium, Uganda, 44:128
Heliscomys, 46:421
Helogale parvula parvula, Mozambique, meas., 46:259
Hematology:
Blarina brevicauda, 45:648
Cercopithecus aethiops, 49:547
Cervus, 49:762
Lobodon, 41:527
Peromyscus leucopus, 48:44
Ursus americanus, 42:198
Hemicentetes:
nigriceps, pel., hab., 47:670
semispinosus, distr., fd., meas., act., repro., growth, behav., 47:660
Hemiechinus, self-annointing behav., 47:680
auritus, India, breed., 41:386; birth, develop., 42:398
auritus calligoni, 50:614
auritus collaris, India, breed., 41:386; ost., muscles, 46:210; West Pakistan, 48:395
Hemione, 43:206
Henderson, F. R.:
(see Jones, J. K., Jr.)
Henderson, J. D.:
(see Blus, L. J.)
Hendricks, L. J.:
Observation of armadillo in east-central New Mexico, 44:581
Hensen, R. J.:
(see Troyer, W. A.)
Henshaw, R. E.:
Responses of free-tailed bats to increases in cave temperature, 41:396

Henson, O. W., Jr., and A. Novick:
An additional record of the bat Phyllonycteris aphylla, 47:351
Heppenstall, C. A.:
A possible bat migration, 41:509
Heptodon caliculus, tax., dent., 47:632
Herin, R. A.:
Physiological studies in the Rocky Mountain elk, 49:762
Electrocardiographic data on Rocky Mountain elk, 49:790
Hernandez, C. J.:
(see Tamsitt, J. R.)
Hernandez, G.:
(see Heatwole, H.)
Herpailurus, 45:330
Herpestes:
auropunctatus, Virgin Is., pred., wt., fd., 43:544
auropunctatus pallipes, West Pakistan, 48:401
edwardsi ferrugineus, West Pakistan, 48:401
ichneumon mababiensis, Mozambique, meas., 46:259
Herreid, C. F. II:
Comments on the odors of bats, 41:396
Survival of a migratory bat at different temperatures, 44:431
Temperature regulation of Mexican free-tailed bats in cave habitats, 44:560
(see Perry, A. E.)
Herreid, C. F. II, and R. B. Davis:
Frequency and placement of white fur on free-tailed bats, 41:117
Flight patterns of bats, 47:78
Herreid, C. F. II, R. B. Davis, and H. R. Short:
Injuries due to bat banding, 41:398
Hershkovitz, P.:
Publication dates for names of the anubis baboon, 41:402
Notes on South American dolphins of the genera Inia, Sotalia and Tursiops, 44:98
Status of the black-footed ferret in Wyoming, 47:346
Hesperomyini incertae sedis, 50:815
Hesperomyotis, 45:474
Hesperomys, 41:518; sumichrasti (Nyctomys sumichrasti), 44:582
Hesselton, W.:
(see Friend, M.)
Hesselton, W. T., J. E. Tanck, and D. T. Rice:
An unusual pregnancy in a white-tailed deer in New York, 45:151
Hessonoglyphotes, 45:474
Hester, F. J., J. R. Hunter, and R. R. Whitney:
Jumping and spinning behavior in the spinner porpoise, 44:586
Heterocephalus glaber, gls., 46:31
Heterohyrax:
brucei, subsp., Africa, tax., color, 47:690
welwitschii, subsp., Africa, tax., color, 47:690
Heteromys:
desmarestianus, 46:31
gaumeri, 50:37
Hewston, J.:
A melanistic 13-lined ground squirrel, 43:107
Albino mammals in North Dakota, 43:269
Hexacodus, 47:488; 49:301
Hibbard, C. W.:
Two new rodents from the early Pleistocene of Idaho, 43:482
The origin of the P_3 pattern of Sylvilagus, Caprolagus, Oryctolagus and Lepus, 44:1
Hibbard, C. W., and W. W. Dalquest:
A new antilocaprid from the Pleistocene of Knox County, Texas, 41:20
Hibbard, E. A.:
Another hoary bat found hanging on a fence, 44:265
A badger-fox episode, 44:265
Hibbs, L. D.:
Food habits of the mountain goat in Colorado, 48:242
Hibernacula:
Lasionycteris noctivagans, 47:121
Myotis subulatus, 47:121, 349
Myotis velifer, 46:618
Hibernation:
Citellus franklinii, 43:13
Citellus fulvus, 47:212
Citellus lateralis, 45:455; 46:634; 47:63; 48:381; 49:541, 561
Citellus leucurus, 45:122
Citellus mohavensis, 45:122
Citellus tridecemlineatus, 43:13, 109; 46:80; 47:294
Cynomys leucurus, 48:100
Dryomys, 45:79
Eptesicus, 43:30
Eutamias minimus, 47:715
Eutamias speciosus 45:455
Lasionycteris, 43:31
Lasiurus cinereus, 48:663
mammals, steppe, 47:208
Marmota flaviventris, 50:757
Myotis keenii, 43:27
Myotis lucifugus, 43:30; 45:475; 46:94
Myotis subulatus, 47:348
Perognathus, 42:103
Pipistrellus, 43:29
Plecotus, 43:31
Tachyglossus aculeatus, 49:446
Tamias striatus, 47:715
Zapus hudsonius, 46:67
Hida, T. S.:
(see Shomura, R. S.)
Hidalgo:
Leptonycteris nivalis, 47:331
Leptonycteris sanborni, 47:331
Peromyscus, 42:11
Hildebrand, M.:
Further studies on locomotion of the cheetah, 42:84
Voice of the grasshopper mouse, 42:263
Hill, E. P., III:
Malocclusions in two juvenile cottontail rabbits, 48:321
Homing by a cottontail rabbit, 48:648
Hill, J. E.:
Renaming of Rattus ruber melanurus Laurie and Hill, 1954, 41:277

Hill, J. E., and A. Brown:
Occurrence of Macrophyllum in Ecuador, 44:588
Hill, R. R.:
(see Gilbert, P. F.)
Hillerud, J. M.:
(see Bayrock, L. A.)
Hinkley, R., Jr.:
Effects of plant extracts in the diet of male Microtus montanus on cell types of the anterior pituitary, 47:396
Hippopotamus, 41:163
amphibius, Tanganyika, hab., 41:163; repro., capt., 42:427; Mozambique, 46:260
Hipposideros:
armiger armiger, Hong Kong, 49:129
bicolor sinensis, Laos, meas., 48:634
cafer cafer, 49:118; Mozambique, meas., 46:257
cineraceus cineraceus, Laos, meas., 48:635
cineraceus micropus, 48:667
commersoni commersoni, Mozambique, meas., 46:257
cyacorum, North Borneo, 48:667
speoris, 41:184
Hippotragus equinus, Tanganyika, hab., 41:166; Mozambique, 49:121
niger niger, Mozambique, 46:262
Hispaniola, faunal list, bats, 50:133
Histiotus montanus, South America, 48:487
Histochemistry, Tamandu tetradactyla, 47:280
Histology:
Antrozous pallidus, pararhinal gl., 47:357
Cervus canadensis, canine, 50:350
Condylura, nasal rays, 46:248
Cynomys leucurus, repro., organs, 48:100
Dicrostonyx groenlandicus, gastro., 50:60, 223
Lagurus curtatus, gastro., 50:60, 223
Lagurus lagurus, gastro., 50:60, 223
Lemus trimucronatus, gastro., 50:60, 223
Loxodonta africana, adrenal gl., 50:90
Marmota flaviventris, repro. organs, 50:756
Microtus pennsylvanicus, adrenal gl., 47:14; gastro., 50:60, 223
Odocoileus hemionus, teeth, 47:640
Odocoileus virginianus, repro. organs, 48:674
Procyon lotor, kidney, 47:128
Rattus, midventral gl., 47:331
Tamandua tetradactyla, skin, 47:280
Tursiops truncatus, teeth, 49:163
Histriophoca fasciata, Pribilof Is., 41:520; Calif., 45:416; tax., origin, 47:471; morph., 48:144
Hitchcock, H. B.:
An unintended bat trap, 44:577
(see Davis, W. H.)
(see Griffin, D. R.)
Hock, R. J.:
Heart rate of black bears in relation to age, 47:328
Hock, R. J., and A. M. Larsen:
Composition of black bear milk, 47:539
Hoeman, V. J.:
High altitude winter records for white-tailed jackrabbits, 45:495
Hoffman, R. A., and P. F. Robinson:
Changes in some endocrine glands of white-tailed deer as affected by season, sex and age, 47:266
Hoffmann, R. S.:
(see Forrester, D. J.)
Hoffmann, R. S., D. L. Pattie, and J. F. Bell:
The distribution of some mammals in Montana. II. Bats, 50:737
Hoffmann, R. S., and R. D. Taber:
Notes on Sorex in the northern Rocky Mountain alpine zone, 41:230
Hoffmann, R. S., P. L. Wright, and F. E. Newby:
The distribution of some mammals in Montana. I. Mammals other than bats, 50:579
Hoffmeister, D. F.:
An unusual concentration of shrews, 48:462
Pygmy shrew, Microsorex hoyi winnemana, in Great Smoky Mountains National Park, 49:331
The first fifty years of the American Society of Mammalogists, 50:794
(see Van Cura, N. J.)
Hoffmeister, D. F., and M. R. Lee:
Eastern cottontail in Sonora, Mexico, 44:120
The status of the sibling species Peromyscus merriami and Peromyscus eremicus, 44:201
Cleaning mammalian skulls with ammonium hydroxide, 44:283
Revision of the desert cottontail, Sylvilagus audubonii, 44:501
Revision of the pocket mice, Perognathus penicillatus, 48:361
Hoffmeister, D. F., and L. de la Torre:
A revision of the wood rat, Neotoma stephensi, 41:476
Geographic variation in the mouse Peromyscus difficilis, 42:1
Holarctica, Bison priscus, 47:726
Holcomb, L. C.:
Large litter size of red fox, 46:530
Holler, N. R., and M. F. Sorensen:
Changes in behavior of a male swamp rabbit, 50:832
Holliman, D. C.:
Erythrism in an Alabama cottontail, 42:254
Holochilus:
sciureus berbicensis, British Guiana, hab., fd., distr., repro., part., pred., move., 43:369; British Guiana, 46:98
vulpinus, warbles, 46:99
Holsinger, J. R.:
The gray myotis in Virginia, 45:151
Homacodon, 49:301
Home range:
approximation method, 46:677
Blarina brevicauda, 47:186
Citellus tridecemlineatus, 47:307
Clethrionomys, 42:174
detection of small mammals in study of, 48:639
Dipodomys merriami, 41:48; 45:213
Eutamias amoenus, 49:83
Eutamias minimus, 49:83

Eutamias quadrimaculatus, 46:693
Gazella granti, 48:190
Lepus americanus, 46:406
Microtus ochrogaster, 46:398
Microtus pennsylvanicus, 41:400; 49:92; 50:69
Microtus pinetorum, 50:781
Mus musculus, 45:22; 49:149
Neotoma, 50:378
Ochotona, 41:204
Perognathus longimembris, 49:104
Peromyscus, 42:174, 497; 45:22, 97, 214, 436
Peromyscus leucopus, 41:433; 49:342
Peromyscus maniculatus, 47:187
Procyon lotor, 42:113; 48:673; 50:145
Reithrodontomys megalotis, 47:53
Setonix brachyurus, 50:16
Sorex araneus, 50:328
Sorex arcticus, 47:186
Sorex cinereus, 47:186
Sorex vagrans, 42:455
structure, internal, 48:529
Synaptomys, 41:404
Thomomys talpoides, 41:473
Vulpes vulpes, 50:108
Homing:
Antrozous pallidus, 44:131
Eptesicus fuscus, 44:131
Lasionycteris noctivagans, 48:323
Microtus californicus, 47:55
Microtus pennsylvanicus, 47:55
Myotis keenii, 50:157
Myotis lucifugus, 46:306; 50:157
Myotis sodalis, 47:356
Myotis velifer, 44:131; 46:618
Nycticeius humeralis, 48:136
Perognathus, 42:416
Peromyscus, 42:416; 44:338; 45:276
Peromyscus maniculatus, 49:713
Reithrodontomys megalotis, 47:53
Sylvilagus floridanus, 48:648
Tadarida brasiliensis, 44:131
Tamias, 42:256
Homo sapiens, 50:337, 650; disease, 47:128
Homotherium, 46:581
Honduras:
Choeronycteris, 45:375
faunal list, bats, 45:375; 50:819
Glossophaga, 45:375; 46:496
Macrophyllum, 44:588; 45:375
mammal collection, 44:471
Neotomys alfari, 50:643
Oryzomys caliginosus, 50:643
Ototylomys phyllotis, 50:40
Proechimys semispinosus, 50:643
Uroderma bilobatum, 49:695
Uroderma magnirostrum, 49:680
Hong Kong, faunal list, bats, 49:129
Hook, O.:
(see Southern, H. N.)
Hooper, E. T.:
Notes on mammals from western and southern Mexico, 42:120
Habitats and food of amphibious mice of the genus Rheomys, 49:550
Hooper, E. T., and J. H. Brown:
Foraging and breeding in two sympatric species of Neotropical bats, genus Noctilio, 49:310
Horatiomys montanus, fos., 50:816
Horn casting, pronghorns, 50:373
Horner, B. E.:
Gestation period and early development in Onychomys leucogaster brevicaudus, 49:513
Horner, B. E., and J. M. Taylor:
Growth and reproductive behavior in the southern grasshopper mouse, 49:644
Paternal behavior in Rattus fuscipes, 50:803
Horner, B. E., J. M. Taylor, and H. A. Padykula:
Food habits and gastric morphology of the grasshopper mouse, 45:513
Hornocker, M. G.:
Defensive behavior in female bighorn sheep, 50:128
Horses, 43:206; 47:211
Horvath, O.:
Arboreal predation on bird's nest by masked shrew, 46:495
Houck, W. J.:
Notes on the Pacific striped porpoise, 42:107
Hough, F., and D. Smiley:
Albinism in the chipmunk, Tamias striatus, 44:577
House, H. B.:
(see Long, C. A.)
Houseknecht, C. R.:
Sonographic analysis of vocalizations of three species of mice, 49:555
Houston, D. B.:
A note on the blood chemistry of the Shiras moose, 50:826
Hove, E. L.:
(see Haugen, A. O.)
Howard, V. W., Jr.:
An observation of parturition in the pronghorn antelope, 47:708
Howard, W. E.:
A pocket gopher population crash, 42:258
(see Bongardt, H.)
(see Marsh, R. E.)
Howard, W. E., and E. M. Brock:
A drift-fence pit trap that preserves captured rodents, 42:386
Howard, W. E., and R. E. Cole:
Olfaction in seed detection by deer mice, 48:147
Howard, W. E., and F. C. Evans:
Seeds stored by prairie deer mice, 42:260
Howard, W. E., S. D. Palmateer, and R. E. Marsh:
A body capacitor-olfactometer for squirrels and rats, 50:771
Howell, A. B.:
Jack rabbits galore, 41:513
Howell, A. B., obit., 49:732
Howell, D. J.:
(see Studier, E. H.)
Howell, T. R.:
(see Buchanan, O. M.)

Hsu, T. C.:
(see Patton, J. L.)
Hubbs, C. L.:
(see Peterson, R. S.)
Huey, L. M.:
It is possible: a correction, 41:278
Further northern extension of the hog-nosed skunk, 42:421
Huff, J. N., and E. O. Price:
Vocalizations of the least weasel, Mustela nivalis, 49:548
Hughes, C. E.:
(see Nadler, C. F.)
Hughes, S. E.:
Temperature of the bat, Plecotus townsendii, during arousal, 49:140
Huibregtse, W. H.:
Some chemical and physical properties of bat milk, 47:551
(see Stull, J. W.)
Humphrey, S. R.:
Flight behavior of Myotis lucifugus at nursery colonies, 47:323
(see Cope, J. B.)
(see DeBlase, A. F.)
Humphrey, S. R., and J. B. Cope:
Records of migration of the evening bat, Nycticeius humeralis, 49:329
Hungary, steppe mammals, 47:208
Hunter, J. R.:
(see Hester, F. J.)
Hurst, G. A.:
Mephitis mephitis elongata in Wake County, North Carolina, 45:643
Hurst, R. N., and J. E. Wiebers:
Minimum body temperature extremes in the little brown bat, Myotis lucifugus, 48:465
Thermogenetic patterns in the little brown bat, Myotis lucifugus (Le Conte), 49:791
Hutchison, V. H.:
(see West, G. C.)
Hyaena hyaena, West Pakistan, 48:402
Hybomys univittatus, Uganda, 44:127
Hybrids:
Canis, 43:110; 50:830
horse-zebra, 46:58
Odocoileus, 43:539
Ovis, 41:523
Peromyscus, 50:503
Peromyscus gossypinus × Peromyscus leucopus, 49:475
Peromyscus maniculatus × Peromyscus melanotis, 47:340
Spermophilus beecheyi douglasii × Spermophilus beecheyi beecheyi, 50:649
Thomomys bottae × Thomomys umbrinus, 49:9
Hydrochoerus, 50:122
isthmius, copulation, 49:534
hydrochaeris, Venezuela, mating behav., 49:534
Hydrodamalis gigas, Calif., skel. remains, 48:143
Hydromys chrysogaster, H. habbema, phallic morph., 49:617
Hydrurga leptonyx, Antarctica, pop., 43:229; distr., 43:273; 48:144; Antarctica, 49:161
Hylobates moloch, Borneo, tax., color, 42:99
Hylomyscus alleni, Uganda, 44:128
Hylonycteris, 47:231
Hyomys goliath, phallic morph., 49:630
Hyperacrius, 49:442
fertilis, syst., 50:465
wynnei, syst., 50:461
Hyperoodon:
ampullatus, 50:150
planifrons, 48:651
Hypolagus apachensis, 44:12
Hypothermia:
Myotis lucifugus, 48:132
Odocoileus virginianus, 48:655
Hypsignathus monstrosus, Angola, 41:395; fd., 49:335
Hyrachyus modestus, tax., dent., 47:631
Hyracodon nebraskensis, tax., dent., 47:633
Hystrix, 49:121
africaeaustralis, Mozambique, meas., 46:263; dens, 47:136
indica indica, West Pakistan, 48:396

I

Iceland, Lasiurus cinereus, 45:461
Ichneumia albicauda, Mozambique, 49:119
Ictidomys, chromo., tax., 47:46; relationships, 47:580
Idaho:
Canimartes, 48:293
Canis, 45:483
Castor californicus, 50:653
Lynx canadensis, 50:128
Myotis thysanodes, 48:235
Odocoileus, 44:284
Ovis canadensis, 50:128
Perognathus parvus, 49:336; 50:284
Peromyscus, 43:484
Prodipodomys, 43:482
Spermophilus columbianus, 47:581
Spermophilus richardsonii, 49:312
Spermophilus townsendi, 47:581
Idionycteris phyllotis, Ariz., 42:61, 97
Illinois:
Blarina, 43:422
Castorides ohioensis, 50:826
Citellus tridecemlineatus, 47:301
Cryptotis, 44:427
Erethizon, 42:119
faunal list, bats, 43:30
fur trapping, 50:837
Lasiurus, 46:333
Mephitis mephitis, 47:705
Microtus ochrogaster, 43:351; 44:274; 46:514
Microtus pennsylvanicus, 43:351; 49:322
Mustela, 46:516
Myotis austroriparius, 47:128
Neotoma, 43:119
Odocoileus virginianus, 49:522
Peromyscus leucopus, 44:274
Pitymys, 43:422
Procyon, 45:493; 49:142
Reithrodontomys megalotis, 41:131; 44:274
Sciurus, 49:531
Spermophilus tridecemlineatus, 47:47

Spilogale, 42:119
Sylvilagus floridanus, 42:541; 44:416; 47:141; 49:341
Synaptomys cooperi, 44:274
Vulpes vulpes, 47:116
Immigration:
Blarina, 47:192
Citellus tridecemlineatus, 47:307
Sorex, 47:192
Immobilization, by drugs, 43:76
Implantation, delayed, Spilogale putorius, 49:382
India:
faunal list, 41:386
Kerivoula, 46:517
Mus musculus, 47:733
Paraechinus, 41:386; 42:365
Sivacyon, 43:461
Suncus murinus, 43:262; 47:73
Indiana:
Castorides ohioensis, 50:826
Eptesicus fuscus, 41:512; 50:360
faunal list, 41:111, 253
fur trapping, 50:837
Lasiurus borealis, 41:512
Lasiurus cinereus, 41:512; 48:663
Microtus ochrogaster, 41:259; 42:540; 45:150; 46:501; 48:287
Microtus pennsylvanicus, 41:259; 48:287; 49:774
Mus musculus, 47:473
Mustela frenata, 50:360
Mustela nivalis, 46:516
Myotis, 42:540
Myotis sodalis, 41:512
Napaeozapus insignis, 45:644
Nycticeius humeralis, 48:136; 49:329
Peromyscus leucopus, 47:473
Peromyscus maniculatus, 47:473
Pipistrellus subflavus, 42:540
Procyon lotor, 49:126
Sylvilagus aquaticus, 42:99
Synaptomys cooperi, 43:303
Indo-China, coll., 44:471
Indonesia:
faunal list, bats, 50:835
Macroglossus, 41:395
Phoniscus, 46:517
Indricotherium, dent., 47:635
Ingles, L. G.:
Tree climbing by mountain beavers, 41:120
Reingestion in the mountain beaver, 42:411
Home range and habitats of the wandering shrew, 42:455
Status of the wolf in California, 44:109
Inglis, A.:
(see Caldwell, D. K.)
Inglis, J. M.:
(see McCulloch, C. Y.)
Inia geoffrensis, 50:726; Colombia, distr., 44:99
Injury, Tadarida, 41:398; 47:131
Insulation, Ondatra, 43:64
Intelligence, Odontoceta, 41:346
Intestinal flora, Thomomys bottae, 47:720
Iowa:
faunal list, 42:92
Gulo, 42:546
Lasionycteris noctivagans, 48:327
Lasiurus borealis, 47:34
Lasiurus cinereus, 47:35
Lynx canadensis, 50:370
Peromyscus leucopus, 48:591
Spilogale putorius, 48:606
Iraq, faunal list, 50:614
Ireland, Lepus timidus, 49:783
Ireland, P. H., and H. A. Hays:
A new method for determining the home range of woodrats, 50:378
Isaac, D. E.:
(see Eisenberg, J. F.)
Ischyrosmilus:
affinities, 46:583
diagnosis, 46:576
I. *johnstoni*, fos., 46:576
Ischyrotomus, tooth no., 50:609
Isodon obesulus, thermoreg., 50:556
Israel:
Acomys cahirinus, 50:245
Acomys russatus, 50:245
Dryomys, 45:69
Myoxus, 45:69
Ivory Coast, Anomalurus auzembergeri, 47:334

J

Jack rabbits, Calif., Ore., 41:513
Jackson, A. W.:
Present numbers of bison in Texas, 48:145
Jaculus jaculus, 50:254; longev., 41:113; gls., 46:33
Jaffe, J. J.:
(see Doremus, H. M.)
Jakway G. E.:
Symbos convexifrons an invalid species, 42:114
Errata, 42:429
Jalisco:
Eumops underwoodi, 46:100
Leptonycteris nivalis, 47:331
Myotis, 41:16
Notiosorex crawfordi, 47:345
Orthogeomys, 50:748
Pappogeomys, 50:748
James, P., and A. Hayse:
Albinism in the spotted ground squirrel, 44:574
Sparrow hawk preys on Mexican free-tailed bat at Falcon Reservoir, 44:574
Jameson, E. W., Jr.:
Patterns of hibernation of captive Citellus lateralis and Eutamias speciosus, 45:455
Food consumption of hibernating and non-hibernating Citellus lateralis, 46:634
Jameson, E. W., Jr., and R. A. Mead:
Seasonal changes in body fat, water and basic weight in Citellus lateralis, Eutamias speciosus and E. amoenus, 45:359
Japan:
Callorhinus, 44:349
Feresa, 46:450

Orcinus orca, 50:636
Phoca vitulina, 48:249
Jarrell, G. H.:
A correction on the range of Cryptotis parva in New England, 46:671
(see Mankins, J. V.)
Java:
faunal list, bats, 50:835
Pteropus, 43:38
Rousettus, 43:37
Javelina, 41:218
Jeanne, R. L.:
A case of a weasel climbing trees, 46:344
Jegla, T. C.:
A recent deposit of Myotis lucifugus in Mammoth Cave, 44:121
Jegla, T. C., and J. S. Hall:
A Pleistocene deposit of the free-tailed bat in Mammoth Cave, Kentucky, 43:477
Jenness, R.:
(see Sowls, L. K.)
Jerboas, 42:560
Johansen, K.:
Buoyancy and insulation in the muskrat, 43:64
Johnson, A. M.:
(see Fiscus, C. H.)
(see Hegdal, P. L.)
Johnson, D. H.:
True and false dates of publication, 41:302
Johnson, D. R.:
Additional record of mountain goat in northeastern Washington, 42:280
Diet and reproduction of Colorado pikas, 48:311
Returns of the American Fur Company, 1835–1839, 50:836
Johnson, H. E., W. G. Youatt, L. D. Fay, H. D. Harte, and D. E. Ullrey:
Hematological values of Michigan white-tailed deer, 49:749
Johnson, J. E.:
(see Johnson, R. R.)
Johnson, M. L.:
(see Armstrong, F. H.)
Johnson, O. W., and I. O. Buss:
Molariform teeth of male African elephants in relation to age, body dimensions, and growth, 46:373
Johnson, R. R., and J. E. Johnson:
Notes on distribution of bats and other mammals in Arizona, 45:322
Johnson, W. W.:
Dispensing bait with a caulking gun, 50:149
Johnston Atoll, faunal list, 47:728
Jones, C. J.:
Additional records of shrews in New Mexico, 42:399
Additional records of bats in New Mexico, 42:538
Growth, development, and wing loading in the evening bat, Nycticeius humeralis (Rafinesque), 48:1
(see Findley, J. S.)
Jones, C. J., E. D. Fleharty, and A. H. Harris:
Unusual habitats of grasshopper mice in New Mexico, 41:275
Jones, C. [J.], and J. Pagels:
Notes on a population of Pipistrellus subflavus in southern Louisiana, 49:134
Jones, G. S., H. Fore-lien, and L. Yung-fu:
Distribution records of the Formosan tailless leaf-nosed bat Coelops frithi formosanus, 50:349
Jones, G. S., S. Jososoedarno, and J. S. Saroso:
Bats from Central Java, 50:835
Jones, J. K., Jr.:
The hispid cotton rat in Nebraska, 41:132
The least tube-nosed bat in Korea, 41:265
Absence of third upper premolar in Eutamias, 41:268
Some Miskito Indian names for mammals, 46:353
(see Anderson, S.)
(see Genoways, H. H.)
(see Phillips, C. J.)
Jones, J. K., Jr., and T. Alvarez:
Additional records of mammals from the Mexican state of San Luis Potosi, 45:302
Jones, J. K., Jr., and H. H. Genoways:
A new subspecies of the fringe-tailed bat, Myotis thysanodes, from the Black Hills of South Dakota and Wyoming, 48:231
Notes on the Oaxacan vole, Microtus oaxacensis Goodwin, 1966, 48:320
Jones, J. K., Jr., and F. R. Henderson:
Noteworthy records of foxes from South Dakota, 44:283
Jones, J. K., Jr., and C. A. Long:
Sorex longirostris in Mississippi, 42:252
Jones, J. K., Jr., and W. D. Stanley:
Myotis subulatus in North Dakota, 43:263
Jones, R. D., Jr.:
An overland migration of fur seals, 44:122
Sea otters in the Near Islands, Alaska, 46:702
Jones, R. E.:
A Hydrodamalis skull fragment from Monterey Bay, California, 48:143
Jordan, Acomys lewisi, 48:258
Jorgensen, C. D., and C. L. Hayward:
Notes on shrews from southern Nevada, 44:582
Home range as a measure of probable interactions among populations of small mammals, 49:104
(see Speth, R. L.)
Jososoedarno, S.:
(see Jones, G. S.)
Judd, F. W.:
(see Packard, R. L.)
Justice, K. E.:
A new method for measuring home ranges of small mammals, 42:462
Juxia, dent., 47:635

K

Kainer, R. A.:
(see Rees, J. W.)
Kalbfleisch, W.:
(see Voisey, P. W.)
Kami, H. T.:
(see Tomich, P. Q.)

Kansas:
Antilocapra americana, 41:504
Antrozous bunkeri, 41:10
carnivores, 41:361
Citellus rexroadensis, 42:477
Citellus tridecemlineatus, 47:301
Dasypus, 42:283
Lasionycteris, 42:282
Lepus, 45:409
Marmota, 42:255
Microtus ochrogaster, 45:479; 48:288, 317; 50:475
Mus musculus, 47:733
Myotis grisescens, 42:98; 45:150, 650
Ondatra, 43:104
Peromyscus maniculatus, 48:317
Sigmodon hispidus, 50:475
Sylvilagus, 43:542
Tadarida, 42:282; 44:560; 46:518
Urocyon, 42:283; 46:265
Vulpes, 42:283
Zapus, 44:248, 254
Karyotype:
bats, vespertilionid, 48:278
Canis, 50:830
Macrotus waterhousii, 49:706
Molossops greenhalli, 50:831
Perognathus artus, 48:30
Perognathus baileyi, 48:34
Perognathus goldmani, 48:31
Perognathus hispidus, 48:35
Perognathus intermedius, 48:29
Perognathus penicillatus, 48:28
Perognathus pernix, 48:33
Peromyscus leucopus, 47:261
Peromyscus maniculatus, 47:261; 50:822
Peromyscus nuttalli, 48:638
Reithrodontomys megalotis, 48:549
Reithrodontomys raviventris, 48:549
Sigmodon fulviventer, 50:335
Sigmodon hispidus, 50:811
Spermophilus armatus, 47:586
Spermophilus columbianus, 47:587
Spermophilus parvidens, 47:47
Spermophilus richardsonii, 49:313
Spermophilus spilosoma, 51:47
Spermophilus townsendi, 47:584
Spermophilus tridecemlineatus, 47:50
Spermophilus undulatus, 47:586
Spermophilus washingtoni, 47:585
Thomomys bottae, 49:3
Thomomys umbrinus, 49:6
Kashmir, Hyperacrius, 50:457
Kavanau, J. L.:
Precise monitoring of drinking behavior in small mammals, 43:345
Kaye, S. V.:
Movements of harvest mice tagged with gold-198, 42:323
(see Dunaway, P. B.)
Keast, A.:
Interrelationships of two zebra species in an overlap zone, 46:53
Keith, K.:
(see Van Deusen, H. M.)
Keith, L. B.:
Daily activity pattern of snowshoe hares, 45:626
Keith, L. B., and E. C. Meslow:
Animals using runways in common with snowshoe hares, 47:541
Juvenile breeding in the snowshoe hare, 48:327
Kelsall, J. P.:
Structural adaptations of moose and deer for snow, 50:302
Kennedy, T. E.:
(see Carmon, J. L.)
Kennelly, J. J., and J. D. Roberts:
Fertility of coyote-dog hybrids, 50:830
Kennerly, T. E., Jr.:
(see Boley, R. B.)
Kentucky:
Corynorhinus, 46:499
Eptesicus fuscus, 42:200; 46:96; 48:285; 49:44; 50:152
Lasiurus, 41:114
Lasiurus borealis, 50:152
Lasiurus cinereus, 44:122
Microtus, 46:398
Myotis, 42:399; 43:478
Myotis leibi, 46:683
Myotis lucifugus, 44:121; 45:645; 48:132, 284; 50:152
Myotis sodalis, 46:96; 47:356; 48:284; 50:152
Nycticeius humeralis, 44:122; 49:329
Peromyscus, 43:478
Pipistrellus subflavus, 42:399; 45:645; 46:96; 48:285; 50:152
Plecotus, 44:119; 46:499
Sigmodon hispidus, 46:100
Tadarida, 43:477
Tamias striatus, 47:528
Kenya:
Gazella granti, 48:194
Perodicticus potto, 47:156
Kenyon, K. W.:
A ringed seal from the Pribilof Islands, Alaska, 41:520
History of the Steller sea lion at the Pribilof Islands, Alaska, 43:68
Food of harbor seals at Amchitka Island, Alaska, 46:103
Kenyon, K. W., and C. H. Fiscus:
Age determination in the Hawaiian monk seal, 44:280
Kenyon, K. W., and D. W. Rice:
Abundance and distribution of the Steller sea lion, 42:223
Kerfoot, W. C.:
(see Long, C. A.)
Kerivoula papuensis, Australia, distr., 46:516
Kershaw, M.:
(see Daniel, M. J.)
Kiblisky, P.:
The chromosomes of the hispid cotton rat, Sigmodon hispidus from two localities in Venezuela, 50:810
(see Linares, O. J.)

Kidney:
Procyon lotor, 47:128
Rattus rattus, 50:491
Kilgore, S. S.:
(see Gough, B. J.)
Kilimatalpa, 41:112
Killpack, M. L., and M. A. Goates:
Bat captured in snap trap, 44:125
King, J. A.:
(see Hart, F. M.)
King, O. M.:
A note on opossum behavior, 42:397
Kinsella, J. M.:
Unusual habitat of the water shrew in western Montana, 48:475
Kinsey, C.:
Leopard frog attacks bat, 42:208
A caliper modification for measuring skulls and bones, 43:538
(see Balser, D.)
Kinsey, C., and W. H. Longley:
Incidence of Skrjabingylus in Minnesota mink, 44:261
Kirkland, G. L., Jr.:
(see Bowers, J. R.)
(see Heidt, G. A.)
Kirkpatrick, C. M.:
Unusual cottontail litter, 41:119
Kirkpatrick, R. D.:
New observations of Indiana swamp rabbits, 42:99
Litter size and fetus numbers in the cotton rat, 46:514
Mammals of the Tokelau Islands, 47:701
Mammals of Johnston Atoll, 47:728
Klein, D. R.:
Range-related differences in growth of deer reflected in skeletal ratios, 45:226
Klimstra, W. D.:
(see Hawkins, R. E.)
Klingener, D.:
Dental evolution of Zapus, 44:248
Klinkhart, E. G.:
Birth of a harbor seal pup, 48:677
Knable, A., and W. E. Werner, Jr.:
Raccoon with unusual dental complement, 45:493
Kniazeff, A. J.:
(see Nelson-Rees, W. A.)
Knopf, F. L., and D. F. Balph:
Badgers plug burrows to confine prey, 50: 635
Knowlton, F. F., and W. C. Glazener:
Incidence of maxillary canine teeth in white-tailed deer from San Patricio County, Texas, 46:352
Knowlton, F. F., and E. D. Michael:
Placental ingestion and possible parturant mortality in wild white-tailed deer, 46: 107
Kob, Uganda, 50:87
Kobus:
defassa, 48:197; Tanganyika, hab., 41:166
ellipsiprymnus, Southern Rhodesia, repro., 43:535, sound, 45:629; Mozambique, 46: 261
kob, longev., 41:113
leucotis, longev., 41:113
Kochictis centenii, comp., 46:389
Kock, L. L. de, and A. E. Robinson:
Observations on a lemming movement in Jamtland, Sweden, in autumn 1963, 47: 490
Koford, C. B.:
(see Conaway, C. H.)
Kogia breviceps, Gulf of Mexico, strand., 41: 137; Md., 42:269; distr., 50:356
Koopman, K. F.:
A collection of bats from Sinaloa, with remarks on the limits of the Neotropical region in northwestern Mexico, 42:536
A northern record of the yellow bat, 46:695
The southernmost bats, 48:487
Kooyman, G. L.:
An unusual occurrence of an elephant seal at Ross Island, Antarctica, 45:314
(see Stull, J. W.)
Kopidodon, 46:389
Korea, Eutamias, Murina, 41:268
Kott, E., and W. L. Robinson:
Seasonal variation in litter size of the meadow vole in southern Ontario, 44:467
Krebs, C. J., and K. T. DeLong:
A Microtus population with supplemental food, 46:566
Kridler, E.:
(see Schreiber, R. W.)
Krumrey, W. A., and I. O. Buss:
Age estimation, growth, and relationships between body dimensions of the female African elephant, 49:22
Observations on the adrenal gland of the African elephant, 50:90
Krutzsch, P. H.:
A summer colony of male little brown bats, 42:529
Additional data on the os penis of Megachiroptera, 43:34
Remarks on silver-haired and Leib's bats in eastern United States, 47:121
Krutzsch, P. H., and W. A. Wimsatt:
Some normal values of peripheral blood in the vampire bat, 44:556
Krzanowski, A.:
Three long flights by bats, 45:152
Kubota, K., and H. Horiuchi:
Anatomical studies of the salivary gland of the fur seal, 44:349
Kuhn, H.:
Anomalurus pelii auzembergeri in Liberia, 47:334
Kuhn, L. W., W. Q. Wich, and R. J. Pedersen:
Breeding nests of Townsend's mole in Oregon, 47:239
Kunz, T. H.:
Evening bat in Iowa, 47:341
Kuyt, E.:
Movements of young wolves in the Northwest Territories of Canada, 43:270

L

Labeling, Ca^{45}, Rattus, 44:335
Labrador:
Microtus chrotorrhinus, 43:420
Microtus pennsylvanicus, 48:587

Lackey, J. A.:
Growth and development of Dipodomys stephensi, 48:624
Lactation:
Artibeus, 41:509
Crocidura, 46:431
Eumops, 41:510
Microtus pennsylvanicus, 48:135
Phenacomys 43:486
Lagenodelphis hosei, 41:113
Lagenorhynchus, 41:113; 49:794; Canada, 50:654
obliquidens, Calif., 41:342; Calif., fd., 42:107; leap, 49:328
Lagidium peruanus, longev., 41:113
Lagomorpha, skin prep., 42:409; coprophagy, 43:262
Lagothrix:
flavicauda, Peru, desc., rev., syn., 44:241
lagothricha cana, Peru, Bolivia, Brazil, desc., rev. syn., 44:229
lagothricha lagothricha, Brazil, Colombia, Ecuador, Peru, desc., rev., syn., 44:227
lagothricha lugens, Colombia, Desc., rev., syn., 44:238
lagothricha poeppigii, Brazil, Ecuador, Peru, desc., rev., syn., 44:235
Lagurus:
curtatus, 47:228; 48:621; Calif., breeding seas., 42:489; gls., 46:32; seb. gls., 49:438; histol., 50:60; Mont., distr., 50:592
curtatus levidensis, Wyo., 44:130
lagurus, 47:210, 225; 48:287; histol., 50:60
przewalskii seb. gls., 49:438
Lama:
guanicoe, behav., pel., thermoreg., 47:18
pacos, longev., 41:113
Landry, S. O., Jr.:
The status of the theory of the replacement of the Multituberculata by the Rodentia, 46:280
Laos, faunal list, bats, 48:633
Lappat, E. J.:
(see Davis, W. H.)
Larsen, K. M.:
(see Deacon, J. E.)
Larson, A. M.:
(see Hock, R. J.)
Larson, E. A.:
The peninsula chipmunk in Baja California, 45:634
Larson, J. S.:
Notes on a recent squirrel emigration in New England, 43:272
Age structure and sexual maturity within a western Maryland beaver (Castor canadensis) population, 48:408
Larynx, Callorhinus ursinus, size, sexual dimorph., 47:143
Lasionycteris noctivagans, 50:373; Ark., 41:526; Kan., 42:282; Bermuda, 42:531; N. Mex., 42:538; Ontario, fd., 42:540; Ill., hiber., 43:31; Ariz., speed, 45:238; hiber., 47:121; Ark., 48:130; karyo., 48:270; homing, 48:323; Iowa, 48:327; La., 48:647; Mont., 50:737
Lasiopodomys, 47:210
Lasiurus, 47:149
borealis, 41:114; 46:704; 47:80, 249; 49:45; 50:370, 373; Me., 41:416, 512; Ark., 41:526; Ariz., 42:64; Calif., fd., guano, 42:66; Tex., fd., 42:98; N. Mex., 42:404, 439; Bermuda, Galapagos Is., Hawaii, comp., hab., 42:531; Ontario, fd., 42:540; Iowa, pred., 43:434; Ariz., 44:272; roost., 45:143; act., 45:635; Sonora, 46:331; Ill., meas., repro., 46:333; Mo., coll., 46:498; distr., roosts, 47:128; gls., 47:357; Ark., 48:131; karyo., 48:271; Iowa, 48:341; South America, 48:487; flight speed, 50:152
borealis borealis, Okla., 42:236; Manitoba, 42:529; Tex., 43:279; migr., roosts, hab., repro., 47:34; Tex., 49:536
borealis minor, Puerto Rico, distr., 44:264; Puerto Rico, fos., 49:410
borealis teliotis, 42:539; Ariz., distr., 45:322
cinereus, 46:356, 672; 47:249; 50:128, 373, 630; Mo., 41:114; Ind., hab., 41:512; Ariz., 42:64; Manitoba, 42:529; Bermuda, 42:531; N. Mex., 42:538; Ontario, fd., 42:540; Minn., mort., 44:265; Ariz., flight, netting pop., 44:272; Ariz., speed, 45:238; Calif., Iceland, Nev., N. Mex., N. Y., Oaxaca, Orkney Is., Santo Domingo, Southhampton Is., 45:461; Baja Calif., distr., 45:489; act., 45:635; Sonora, 46:331; Calif., migr., 47:533; fd., 47:719; karyo., 48:270, 323; Ind., fd., hiber., 48:663; brain size, 50:340; Mont., 50:737
cinereus cinereus, Utah, distr., 42:123; Okla., 42:236; Tex., 43:279; Ky., distr., 44:122; pred., 44:581; Ariz., distr., 45:322; distr., 45:461; migr., roosts, hab., repro., 47:34; La., 47:324; La., 48:647
cinereus villosissimus, distr., 45:461
ega, 46:331; Honduras, 50:821
ega panamenis, karyo., 48:271
ega xanthinus, N. Mex., 44:417; distr., roosts, 47:126; Zacatecas, 49:745
intermedius, distr., Mexico, 43:108; karyo., 48:271
intermedius floridanus, 47:40; N. J., 46:695; La., 48:647; Ala., 50:845
seminolus, 41:400; 47:40; N. C., breed., 41:394; Bermuda, 42:531; Tex., 43:279; Ark., 48:131
Laughlin, H. E.:
(see Wilks, B. J.)
Laun, C. H.:
Loud vocal sounds produced by striped skunk, 43:432
Laurent, P.:
Muskrat in Brittany, 44:574
LaVal, R. K.:
Records of bats from the southeastern United States, 48:645
Records of bats from Honduras and El Salvador, 50:819
Lawlor, T. E.:
A systematic study of the rodent genus Ototylomys, 50:28
Lawrence, B.:
Fossil Tadarida from New Mexico, 41:320

The North Long Branch specimen of Mesoplodon in the Museum of Comparative Zoology, 46:706
Lawrence, W. H., and C. A. Sherman:
An electronic counter for recording burrow activity of mountain beaver, 44:399
Lay, Douglas M.:
(see Werner, H. J.)
Layne, J. N.:
Occurrence of black-tailed jack rabbits in Florida, 46:502
(see Fortig, D. S.)
Leach, B. J., and C. H. Conaway:
The origin and fate of polyovular follicles in the striped skunk, 44:67
Learning, Peromyscus maniculatus, 47:522
Lechleitner, R. R.:
Another record of the least shrew from Colorado, 45:299
(see Pettus, D.)
Lee, D. S., and E. Bostelman:
The red fox in central Florida, 50:161
Lee, M. R.:
(see Hoffmeister, D. F.)
Lee, M. R., and E. G. Zimmerman:
Robertsonian polymorphism in the cotton rat, Sigmodon fulviventer, 50:333
Leffler, S. R.:
Fossil mammals from the Elk River formation, Cape Blanco, Oregon, 45:53
Leggada, 44:128
Leggadina, Australia, 50:617
Lehman, L. E.:
September births of raccoons in Indiana, 49:126
Leitner, P.:
(see Licht, P.)
Lemming, 42:493; 45:187
Lemniscomys griselda calidior, Mozambique, meas., 46:263
Lemur:
catta, sexual dichromatism, 45:490
fulvus flavifrons, sexual dichromatism, 45:490
macaco, pel., 45:490
Lemmus, 48:126
lemmus, Sweden, pop., 43:171; sound, 47:447; Sweden, move., mort., 47:490; seb. gls., 49:436
nigripes, seb. gls., 49:436
obensis, seb. gls., 49:436
trimucronatus, 43:177; 47:225; 50:21; gls., 46:32; seb. gls., 49:436; histol., 50:60
Lens growth:
Alouatta canaya, 47:58
Dusicyon, 47:536
Urocyon cinereoargenteus, 47:537
Lens weight:
Odocoileus virginianus, 47:270
Sigmodon hispidus, 47:138
Lensink, C. J.:
Status and distribution of sea otters in Alaska, 41:172
Lent, P. C.:
Tolerance between grizzlies and wolves, 45:304
Leonard, R. G.:
(see Ward, F. D.)
Leontideus, 41:113; repro., 41:401
Leontocebus rosalia, gest., 42:253
Leptomys elegans, phallic morph., 49:613
Leptonychotes weddelli, 49:237; repro., 41:382; Antarctica, pop., 43:229; fd., 46:37; drugs, 46:345; annual cycle, mort., injury, para., 47:317; Antarctica, handling tech., 47:543; milk, blood, lipids, 48:642; Antarctica, 49:161; sounds, 49:287; partu., 50:155; age, mort., tooth wear, 50:559
Leptonycteris, flight, 47:351
nivalis, flight, 42:153; Mexico, hab., 44:50; Ariz., speed, 45:238; Mexico, 45:569; act., 45:635; ecol., distr., meas., 47:329
nivalis sanborni, Ariz., 42:404
sanborni, 48:570; Mex., 45:375; coll., 46:497; distr., roosts, 47:126; distr., ecol., meas., 47:329; milk, 47:542, 551; Zacatecas, 49:743
Leptotomus, teeth, 50:609
Leptotragulus, 49:301
Lepus, 45:605; 50:838; tooth patt., 44:1; Unalaska Is., 48:124
alleni, 42:116; 44:2
alleni alleni, distr., hab., 47:122
americanus, 44:2; 46:328; 47:500; 49:161; 50:640; fd., 42:516; R. I., 43:266; Alberta, act., 45:626; Mich., 45:645; Ontario, 46:354; sounds, 46:705; Minn., 47:347; Alberta, vert. assoc., 47:541; postpartum behav., vocalization, 47:543; juv. breeding., 48:327; Mont., distr., 50:584
americanus bairdii, 45:601
americanus macfarlani, Alaska, ecol., home range, 46:407
americanus struthopus, Quebec, 43:509
americanus washingtonii, mort., 46:707
arcticus, 44:2
californicus, 42:116, 708; 44:1; 49:324; temp., 41:114; Ariz., hab., 41:517; records, 42:513; Kan., aging, 45:409; Utah, develop., 46:96; Florida, pop., 46:502; Utah, 46:530; pred., 47:143; milk in stomach, 49:325; mating behav., 49:785; Mont., distr., 50:585
californicus deserticola, 45:402; 46:96; Nev., ecol., 45:397; fd., seas., var., 47:42
californicus melanotis, Okla., 42:236
europaeus, 44:2; 47:210
europaeus nigrescens, Mozambique, meas., 46:262
laticinctus rufipes, Calif., rev., 44:511
nigricollis dayanus, West Pakistan, 48:395
nigricollis ruficaudatus, 44:2
oistolus hypsibius, 44:2
sinensis, 44:2
timidus, 44:2; 47:210; Alas., 48:125
timidus hibernicus, Ireland, fd., 49:783
timidus scaticus, 49:783
tolai, 47:210
townsendi, 44:2; 46:502; records, 42:513; Colo., pel., 44:420; Colo., altitude record, 45:495; pred., 47:143; Colo.,

49:160; milk in stomach, 49:324; Calif., mating behav., 49:785; Mont., distr., 50:584
townsendi campanius, Wyo., 44:130
Lesowski, J.:
Two observations of cougar cannibalism, 44:586
Lesser Antilles:
Orcinus orca, 50:636
Trichechus, 41:412
Lethiecq, J. L.:
(see MacLeod, C. F.)
Levy, J.:
(see Simmons, N. M.)
Lewis, J. C.:
Evidence of mountain lions in the Ozarks and adjacent areas, 1948–1968, 50:371
Lewis, L. L.:
(see Dunaway, P. B.)
Lewis, R. E.:
A reflecting marker for locating traps at night, 48:146
(see Harrison, D. L.)
Lewis, T. J.:
(see Egoscue, H. J.)
Liberia, Anomalurus pelii, 47:332
Liberiictis, 45:474
Libley, W. L.:
Occurrence of "samson" condition in marten, 42:112
Lichonycteris, 47:231
obscura, Nicaragua, 45:375
Licht, P., and P. Leitner:
Behavioral responses to high temperatures in three species of California bats, 48:52
Lidicker, W. Z., Jr.:
The baculum of Dipodomys ornatus and its implication for subgeneric grouping of kangaroo rats, 41:495
Two southern range extensions in Chihuahua, 42:281
A new record of Antichinomys laniger (Gould) from Queensland, Australia, 46:328
A phylogeny of New Guinea rodent genera based on phallic morphology, 49:609
Life expectancy, Myotis velifer, 46:630
Life history:
Citellus, 46:76
Felis concolor, 42:204
Peromyscus, 45:387
Phenacomys, 42:181
Life span, Dipodomys, Perognathus, 48:537
Life table, Pipistrellus subflavus, 47:392
Light, red, perception, Neotoma floridana, 49:759
Limbaugh, C.:
Observations on the California sea otter, 42:271
Limnogale mergulus, feces, fd., nest, 47:682
Linares, O. J.:
Albinism in the long-tongued bat, Anoura caudifera, 48:464
(see Reig, O. A.)
Linares, O. J., and P. Kiblisky:
The karyotype and a new record of Molossops greenhalli from Venezuela, 50:831
Lindberg, R. G.:
(see Chew, R. M.)
(see Hayden, P.)
Lindeborg, R. G.:
(see Studier, E. H.)
Lindsay, D. M.:
Mammals of Ripley and Jefferson Counties, Indiana, 41:253
Linhart, S. B.:
Dentition and pelage in the juvenile red fox (Vulpes vulpes), 49:526
Linsky, R. B.:
(see Casebeer, R. S.)
Linzey, A. V.:
(see Linzey, D. W.)
Linzey, A. V., and D. W. Linzey:
Microtus pennsylvanicus in North Carolina and Tennessee, 48:310
Linzey, D W.:
(see Linzey, A. V.)
Linzey, D. W., and A. V. Linzey:
A second record of the meadow jumping mouse in eastern Tennessee, 47:123
Maturational and seasonal molts in the golden mouse, Ochrotomys nuttalli, 48:236
Growth and development of the golden mouse, Ochrotomys nuttalli nuttalli, 48:445
First record of the yellow bat in Alabama, 50:845
Liomys:
irroratus, Mexico, 41:391; gls., 46:31; water loss, 50:519
pictus, 47:412; Mexico, distr., 43:109; repro., 44:61; gls., 46:31
pictus pictus, 43:283
salvini, water loss, 50:519
Lippoldt, A.:
(see Stains, H. J.)
Litocranius walleri, 46:54
Litter movement, Sciurus carolinensis, 49:560
Litter size:
Antrozous pallidus, 50:729
Blarina brevicauda, 47:188
Caluromys, 49:320
Caluromys derbianus, 48:680
Chiropodomys gliroides, 48:20
Citellus tridecemlineatus, 46:522; 47:301
Crocuta, 46:503
Cynomys leucurus, 48:110
Dasycercus cristicauda, 50:633
Dryomys, 45:77
Eptesicus fuscus, 49:777
Eutamias cinereicollis, 50:642
Eutamias minimus, 47:159
geographic variation, 49:281
Hemicentetes, 47:667
Lasiurus, 46:333
Lepus californicus, 46:98
Marmota flaviventris, 50:756
Microtus, 44:467; 46:434; 48:288
Microtus mexicanus, 49:159
Microtus pennsylvanicus, 47:15; 48:135; 49:323
Mus musculus, 45:23; 47:111; 48:677
Mustela vison, 48:115; 50:743

Neotoma cinerea, 43:328
Neotoma mexicana, 49:534
Ochotona princeps, 48:314
Ochrotomys nuttalli, 47:546
Onychomys torridus, 49:303
Perognathus parvus, 49:336
Perognathus penicillatus, 49:572
Peromyscus crinitus, 45:387
Peromyscus eremicus, 49:497
Peromyscus guardia, 49:497
Peromyscus interparietalis, 49:497
Peromyscus polionotus, 45:23; 49:461
Reithrodontomys humulis, 43:428
Reithrodontomys megalotis, 48:306
Scapanus townsendii, 47:247
Sciurus carolinensis, 48:141
Sigmodon, 43:428; 46:514
Sorex, 47:188
Spilogale putorius, 49:385
Suncus murinus, 47:77; 49:52
Sylvilagus floridanus, 41:119; 42:254; 44:416
Tachyoryctes ruandae, 50:383
Vulpes, 46:530
Little, L.:
Obituary of Alfred Brazier Howell, 49:732
Live trap:
Geomys, 47:729
Mustela, 49:157
Myotis, 44:577
small mammals, 43:547; 50:154
squirrels, 41:142
Thomomys, 47:729
Llewellyn, L. M., and F. H. Dale:
Notes on the ecology of the opossum in Maryland, 45:113
Lloyd, J. A., and J. J. Christian:
Relationship of activity and aggression to density in two confined populations of house mice (Mus musculus), 48:262
Reproductive activity of individual females in three experimental freely growing populations of house mice (Mus musculus), 50:49
Lobodon, 49:237
carcinophagus, growth, 41:383; blood, 41:527; Antarctica, pop., 43:229; Antarctica, handling, 47:543; Antarctica, inland record, 49:161
Locomotion:
cheetah, 42:84
Giraffa, 43:88
Lonchophylla, 44:51
concava, Costa Rica, 45:375
mordax concava, 50:808
robusta, 50:809; Colombia, meas., 44:172
Lonchorhina, 44:53
aurita, Venezuela, 48:464
aurita aurita, roosts, distr., 47:126
Long, C. A.:
First record of the gray bat in Kansas, 42:97
Woodchuck in Oklahoma and southeastern Kansas, 42:255
Reithrodontomys montanus griseus in Missouri, 42:417
A dental abnormality in Sorex palustris, 42:527
Records of reproduction for harvest mice, 43:103
Fulvous harvest mouse in Missouri, 46:506
Geographical variation in the big brown bat in the north-central United States, 50:621
(see Jones, J. K., Jr.)
Long, C. A., and T. Frank:
Morphometric variation and function in the baculum, with comments on correlation of parts, 49:32
Long, C. A., and H. A. Hays:
Yellow mutant in the muskrat, Ondatra zibethicus, 43:104
Long, C. A., and H. B. House:
Bassariscus astutus in Wyoming, 42:274
Long, C. A., and W. C. Kerfoot:
Mammalian remains from owl-pellets in eastern Wyoming, 44:129
Long, C. A., and C. F. Long:
Another Brazilian free-tailed bat from northern Kansas, 46:518
Long, C. F.:
(see Long, C. A.)
Long, T. A.:
(see French, C. E.)
Longevity:
captive mammals, 41:113
Cryptotis, 44:427
Didelphis, 45:120
Dipodomys, 41:404
Gorgon, 41:113
heteromyids, 48:541
Microtus, 46:514
Myotis, 46:332
Peromyscus, 45:436
Pizonyx, 46:497
Sorex, 47:189
Sylvilagus, 42:99, 109
Urocyon, 42:109
Vampyrum spectrum, 49:339
Longley, W. H.:
Movements of red fox, 43:107
(see Baker, D. S.)
(see Kinsey, C.)
Loomis, E. C.:
An embalming technique for preserving small mammals, 41:389
Loomis, R. B., and R. M. Davis:
The vampire bat in Sonora, with notes on other bats from southern Sonora, 47:497
Loomis, R. B., and R. C. Stephens:
Marmosa canescens in Sonora, Mexico, 43:111
Neotoma phenax in Sinaloa, Mexico, 43:112
Cliff chipmunk from the vicinity of Guaymas, Sonora, 46:501
Loop, R. J.:
(see Mathisen, O. A.)
Lophialetes, tax., dent., 47:632
Lophiodon, tax., dent., 47:632
Lophuromys flavopunctatus, Uganda, 44:127; Nyasaland, distr., fd., breed., disease, 45:345
Lord, R. D., Jr.:
Potential life span of cottontails, 42:99

The lens as an indicator of age in the gray fox, 42:109
Range extension of the yellow-toothed cavy in the province of Buenos Aires, 45:315
Growth of the lens of the pampas gray fox (Dusicyon gymnocercus antiquus) and the Patagonian gray fox (Dusicyon griseus griseus), 47:536
Lorentzimys:
alticola, phallic morph., 49:623
nouhuysii, phallic morph., 49:623
Louch, C. D.:
(see Southwick, C. H.)
Louch, C. D., A. K. Ghosh, and B. C. Pal:
Seasonal changes in weight and reproductive activity of Suncus murinus in West Bengal, India, 47:73
Louisiana:
Felis concolor, 47:727; 50:372
Glaucomys, 46:510
Lasionycteris noctivagans, 48:647
Lasiurus cinereus, 48:647
Lasiurus intermedius, 48:647
local list, 44:103; 47:323
Microtus pennsylvanicus, 49:265
Myocastor, 43:337, 418; 44:261
Myotis austroriparius, 47:128; 48:645
Peromyscus gossypinus, 45:421; 49:475
Peromyscus leucopus, 49:475
Peromyscus nuttalli, 45:421
Pipistrellus subflavus, 49:134
Tadarida, 41:322
Loxodonta:
africana, Tanganyika, hab., 41:162; Uganda, body temp., 46:104; Uganda, teeth, 46:373; adrenal gl., 50:90
africana africana, Mozambique, 46:260; age estimate, growth, size, 49:22
africana cyclotis, 49:23
Lugg, D. J.:
Annual cycle of the Weddell seal in the Vestfold Hills, Antarctica, 47:317
Lutra, bacu., 49:40
annectens, Puebla, 41:519; Sonora, distr., 45:634
canadensis, Fla., prey, 44:425; Mass., feed., 45:449; N. Y., repro., 45:242; Ontario, 46:355; Alas. Peninsula, Aleutian Is., 48:125; os clit., 49:41; repro., 49:374
canadensis interior, Nebr., distr., 42:93
lutra, 45:242; U. S. S. R., 47:210, 354
perspicillata, West Pakistan, 48:401
reevei, England, fos., 45:55
Lutravus cookii, L. idahoensis, 48:293
Lycaon:
pictus, 48:200
pictus venaticus, Mozambique, 46:259
Lyman, C. P.:
The effect of low temperature on the isolated hearts of Citellus leucurus and C. mohavensis, 45:122
Lynch, G. M.:
Long-range movement of a raccoon in Manitoba, 48:659
Lynx, 45:36
canadensis, 45:627; Iowa, 40:370; Mont., distr., ecol., 50:597
canadensis subsolanus, Newfoundland, age criteria, develop., yg., 45:36
lynx, 50:838
orientalis, U. S. S. R., 47:354
rufus, 45:330; Me., 41:416; Ariz., hab., 41:517; Puebla, 41:519; Utah, repro., 42:77; Penn., 42:117; N. Mex., Colo., Wyo., 42:510; Minn., mort., pred., 43:430; Mich., 45:645; Tenn., abnorm., dent., 46:507; prey size, 47:605; encounter with Ovis, 50:128
rufus baileyi, Nev., ecol., 45:397
rufus fasciatus, 42:557
rufus floridanus, 44:389
rufus pallescens, Ore., water, 45:477
Lyonogale tana, repro. behav., 49:505

M

Macaca:
assamensis, Bengal, 45:443
fuscata, 49:771
mulatta, 50:833; India, breed., 41:386; Bengal, 45:443; mating behav., 45:577; Puerto Rico, act., 48:70; India, behav., 49:771
Macaco, 44:228
Macacus rhoesus, 48:656
Machaerodus, 46:575
Machida, H., L. Giacometti, and E. Perkins:
The skin of the lesser anteater (Tamandua tetradactyla), 47:280
Mack, C. W.:
(see Waters, J. H.)
Mackay, A. A.:
An easy method of trapping taiga mammals in winter, 43:556
MacLeod, C. F.:
(see Beer, J. R.)
MacLeod, C. F., and A. W. Cameron:
Distribution records for mammals in west-central Quebec, 42:281
MacLeod, C. F., and J. L. Lethiecq:
A comparison of two trapping procedures for Sorex cinereus, 44:277
MacPherson, A. H.:
A northward range extension of the red fox in the eastern Canadian Arctic, 45:138
Macroderma, 48:60
Macroglossus, 47:27
lagochilus, Indonesia, 41:395
minimus, Bali, Mentawai, bacu., 43:41; Java, 50:835
minimus sorbrinus, Laos, 48:633
nanus, Indonesia, 41:395
Macrognathomys, 44:250
Macrophyllum macrophyllum, Central America, hab., 44:488; Honduras, Nicaragua, 45:375
Macropus:
cangaru, Australia, soc. struct., act., 45:429
eugenii, emb. diapause, 50:630
giganteus, 50:630
major, thermoreg., 50:556
rufa, Australia, soc. struct., act., 45:429
Macrotus:
californicus, 43:185; 47:149, 249; Sonora,

41:283; 46:331; Ariz., 42:404; 46:509; Ariz., roosts, 44:428; Sonora, Ariz., ammonia toler., 44:543; 48:564; Ariz., speed, 45:238
mexicanus, 41:508; Mex., distr., 43:108; Mexico hab., 44:51
waterhousii, chromo. var., 49:706
waterhousii waterhousii, Puerto Rico, fos., 49:404
Macruromys major, phallic morph., 49:627
Madagascar, Tenrecidae, 47:660
Madoqua, dent., 42:551
Magruder, N. D.:
(see French, C. E.)
Maher, W. J., and N. J. Wilimovsky:
Annual catch of bowhead whales by Eskimos at Point Barrow, Alaska, 1928–1960, 44:16
Mahnken, T., and R. M. Gilmore:
Suckerfish on porpoise, 41:134
Maine:
faunal list, 41:416
Felis, 42:278
Martes, 45:487
Megaptera, 41:279
Mephitis, 46:673
Microtus pennsylvanicus, 48:579
Odocoileus, 42:559; 43:112
Phocoena phocoena, 50:722
Pipistrellus, 46:528
Malacomys longipes, Uganda, 44:127
Malaya:
Kerivoula, 46:517
Nycticebus coucang, 48:497
Rattus, 42:349; 43:249
Malaysia:
Chiropodomys gliroides, 48:20
Exilisciurus exilis, 49:158
faunal list, 44:471; bats, 50:835
Rattus, 47:331
Malinow, M. R., and A. Corcoran:
Growth of the lens in howler monkeys (Alouatta caraya), 47:58
Mallomys rothschildi, phallic morph., 49:625
Maly, R. G.:
Second record of eastern big-eared bat in Ohio, 43:108
Mammoth, Ariz., fos., 42:572; 44:392
Mammut, 44:13
Mammuthus primigenius, Fla., Pleist., 44:373
Mandrillus sphinx, longev., 41:113
Manis crassicaudata, India, breed., 41:386
Manitoba:
Eptesicus, 42:529
faunal list, rodents, 50:21
Lasiurus, 42:529
Myotis, 42:529
Peromyscus, 42:262
Phenacomys ungava, 42:49
Procyon lotor, 45:311; 48:659
Mankins, J. V.:
Conjunctivitis of a pronghorn antelope (Antilocapra americana), 43:415
Mankins, J. V., J. R. Meyer, and G. Jarrell:
Rat snake preys on bat in total darkness, 46:496
Mansfield, A. W.:
The entepicondylar foramen and Ochrotomys, 42:103
Notes on behavior of marten, 42:112
A plea for bat conservation, 43:571
Distribution of the harbor seal, Phoca vitulina Linnaeus, in Canadian arctic waters, 48:249
(see Geist, O. W.)
(see Young, S. P.)
Manville, R. H., and P. G. Favour, Jr.:
Southern distribution of the Atlantic walrus, 41:499
Manville, R. H., and R. P. Shanahan:
Kogia stranded in Maryland, 42:269
Marburger, R. G.:
(see Thomas, J. W.)
Marburger, R. G., R. M. Robinson, and J. W. Thomas:
A pseudohermaphroditic white-tailed deer, 41:711
Genital hypoplasia of white-tailed deer, 48:674
Marine mammals, standard meas., 48:459
Marking:
Citellus tridecemlineatus, 47:296
Gazella granti, 48:190
Leptonychotes weddelli, 47:319
mice, 45:306
Mus musculus, 42:465
Peromyscus, 41:433
radioisotopic, 46:398
Rattus, 44:335
Reithrodontomys, 42:323
Marks, S. A., and J. J. Burns:
Deformed forelimbs of a calf walrus, 47:115
Marlow, B. J.:
A recent record of the dugong, Dugong dugong, from New South Wales, 43:433
On the occurrence of Antechinus maculatus Gould and Planigale ingrami (Thomas) (Marsupialia, Dasyuridae) in Cape York Peninsula, Queensland, 43:433
Marmosa, 49:320
canescens, Mexico, distr., meas., par., 43:111
impavida, 45:325
mexicana mexicana, Mexico, 45:302
microtarsus, thermoreg., 50:555
murina waterhousei, Colombia, 45:325
phaea, 45:325
robinsoni, 45:325
Marmota, Wyo., 42:100; fd., 42:415; 47:215; 50:337
bobac, 47:208
caudata, U. S. S. R., 50:758
flaviventris, 41:232; 47:103; comp., 46:438; Wyo., pred., 46:506; 46:681; sound, 47:447; vocalization, 49:558; Mont., distr., ecol., 50:586; repro., 50:756
flaviventris nosophora, Wyo., melanism, 42:100
himalayana, 47:210
monax, 42:200; 47:2; 48:40; 50:98, 838; Ind., 41:256; Me., 41:415; N. Y., pel., 41:514; Penn., 42:117; Md., swimming,

42:428; Miss., distr., 43:107; R. I., 43:266; Okla., distr., 43:271; hiber., 45:84; tear gas, 45:321; wt., 46:438; Alberta, in hare runways, 47:541; adrenal gl., 48:599; Vt., 49:93; adrenal wt., 49:472; teeth, 50:608; repro., 50:756
monax bunkeri, 42:256
monax monax, Kan., Okla., 42:255; Pa., wt., 42:297; Penn., act. patt., 43:425; Penn., hab., 44:115
monax rufescens, N. Y., hab., 44:115; telemetry, act., 47:103
Marsh, H. A.:
Notes of gray fox behavior, 43:278
Marsh, R. E.:
(see Howard, W. E.)
Marsh, R. E., and W. R. Clark:
An effective weasel trap, 49:157
Marsh, R. E., and W. E. Howard:
Breeding ground squirrels, Spermophilus beecheyi, in captivity, 49:781
Marsh, R. E., W. E. Howard, and H. Bongardt:
Some serum transferrins in California ground squirrels (Spermophilus), 50:649
Marshall, S.:
(see Gentry, J. B.)
Marshall, S. G.:
(see Baker, W. W.)
Marshall, W. H.:
(see Thoma, B. L.)
Martes:
americana, 45:248; 46:681; 48:224, 295; 50:838; Colo., Alas., Mont., behav., 42:111; Wyo., hab., 42:276; Ontario, 46:355; Minn., 46:688; prey size, 47:605
americana caurina, Wyo., fd., hab., 42:516
pennanti, 45:243, 250; 48:293; Me., N. Y., N. H., Vt., New Brunswick, Nova Scotia, distr., 41:1; injury, 41:133; Ga., distr., 41:409; Penn., 42:117; Ala., fos., 42:544; Me., wt., 45:487; Minn., pop., 47:547; prey size, 47:605; bacu., 49:35; Mont., distr., 50:596
Martin, P.:
(see Erickson, A. W.)
Martin, R. A.:
Notes on the male reproductive tract of Nectogale and other soicid insectivores, 48:664
Late Pleistocene distribution of Microtus pennsylvanicus, 49:265
Martin, R. E.:
(see Preston, J. R.)
Martin, R. L.:
Vole predation on bats in an Indiana cave, 42:540
Redescription of the type locality of Sorex dispar, 47:130
(see I. A. Nader)
Martin, R. L., J. T. Pawluck, and T. B. Clancy:
Observations on hibernation of Myotis subulatus, 47:348
Martinka, C. J.:
An incidence [incident] of mass elk drowning, 50:640
Martinsen, D. L.:
Temporal patterns in the home ranges of chipmunks (Eutamias), 49:83
Maryland:
Axis porcinus, 41:140
Canis, 42:507
Castor canadensis, 48:408
Didelphis, 42:428; 45:113
faunal list, 42:428
Kogia, 42:269
Odocoileus virginianus, 47:267
Peromyscus leucopus, 48:591
Plecotus, 42:402
Mason, M.:
(see Gentry, J. B.)
Massachusetts:
Blarina brevicauda, 49:323
Canis latrans, 41:278
Clethrionomys gapperi, 44:415; 49:332
Glaucomys sabrinus, 50:121
Halichoerus grypus, 48:139, 657
Lutra, 45:449
Microtus breweri, 44:270
Microtus pennsylvanicus, 49:774
Mustela, 43:429
Myotis, 46:332
Napaeozapus insignis, 49:332
Odobenus rosmarus, 41:499
Odocoileus, 43:429
Peromyscus leucopus, 42:263, 383; 49:332; 50:129
Rangifer tarandus, 49:345
Sciurus, 43:272
Tamiasciurus, 42:240
Urocyon cinereoargenteus, 48:137
Vulpes vulpes, 48:137
Zapus, 46:67
Masser, C. O.:
Commensal relationship between Acomys and Rousettus, 47:153
Mastomys natalensis, 43:241; 46:263, 649
Mate, B. R.:
Northern extension of range of shore occupation by Mirounga angustirostris, 50:639
Mathisen, O. A., R. T. Baade, and R. J. Lopp:
Breeding habits, growth and stomach contents of the Steller sea lion in Alaska, 43:469
Mating:
Macaca mulatta, 45:577
Perognathus penicillatus, 49:570
Peromyscus leucopus, 49:475
Phenacomys, 43:486
Rattus norvegicus, 44:541
Sciurus, 49:531
Ursus americanus, 45:637
Ursus arctos, 45:637
Maturation, Blarina brevicauda, 50:272
Mauer, R. A., and W. G. Bradley:
Unusual depigmentation after molt in Merriam's kangaroo rat, 46:515
Maurer, R. W., Jr.:
Prolonging lactation in the meadow vole, 48:135
Maurer, R. W., Jr., and J. E. Skaley:
Cuterebrid infestation of Microtus in east-

ern North Dakota, Pennsylvania, and New York, 49:773
Mawby, J. E.:
Machairodonts from the Late Cenozoic of the panhandle of Texas, 46:573
Mayenschein, J. E.:
(see Wiegert, R. G.)
Mayermys ellermani, 41:113; phallic morph., 49:620
Maza, B, G.:
(see French, N. R.)
Mazama, 44:83; 50:122; americana, Oaxaca, 41:414
McCann, C.:
The taxonomic status of the North Long Branch, New Jersey, Mesoplodon in the Museum of Comparative Zoology, no. 7301, 45:365
McCarley, W. H.:
The rice rat in southern Oklahoma, 41:130
McCarley, [W.] H.:
Annual cycle population dynamics and adaptive behavior of Citellus tridecemlineatus, 47:294
McCarley, [W.] H., and P. Free:
A new record of the woodchuck from Oklahoma, 43:271
McCoy, C. J.:
Albinism in Tadarida, 41:119
(see Miller, P. H.)
McCulloch, C. Y., and J. M. Inglis:
Breeding periods of the Ord kangaroo rat, 42:337
McCullough, D. R.:
Elk deposit on the San Francisco Peninsula, 46:347
McCully, H.:
The broad-handed mole, Scapanus latimanus, in a marine littoral environment, 48:480
McDaniel, L. L.:
Merriam's shrew in Nebraska, 48:493
McDougal, J. J.:
(see Newby, F. E.)
McEwen, L. C.:
(see French, C. E.)
McGinnis, J. T.:
(see Gentry, J. B.)
McGinnis, S. M., and T. P. Southworth:
Body temperature fluctuations in the northern elephant seal, 48:484
McKeever, S.:
Food of the northern flying squirrel in northeastern California, 41:270
McKinley, D.:
The question of the pronghorn in pioneer Missouri, 41:503
McLaren, I. A.:
Taxonomy of harbor seals of the western north Pacific and evolution of certain other hair seals, 47:466
McLaughlin, C. A.:
(see Van Gelder, R. G.)
McManus, J. J.:
Observations on sexual behavior of the opossum, Didelphis marsupialis, 48:486
Temperature regulation in the opossum, Didelphis marsupialis virginiana, 50:550
McMillan, D. B.:
(see Singh, R. P.)
McMillan, R. B.:
(see Brown, L. N.)
McNab, B., and P. Morrison:
Observations on bats from Bahia, Brazil, 44:21
Mead, R. A.:
Age determination in the spotted skunk, 48:606
Reproduction in western forms of the spotted skunk (genus Spilogale), 49:373
(see Jameson, E. W., Jr.)
Measuring:
cetaceans, 42:471
home ranges, small mammals, 42:462
skulls and bones, 43:538
Mech, L. D.:
Sodium pentobarbital as an anesthetic for raccoons, 46:343
Hunting behavior of timber wolves in Minnesota, 47:347
Mech, L. D., and N. V. Anderson:
Renal hypoplasia and compensatory hypertrophy in a raccoon, 47:128
Mech, L. D., D. M. Barnes, and J. R. Tester:
Seasonal weight changes, mortality, and population structure of raccoons in Minnesota, 49:63
Mech, L. D., J. R. Tester, and D. W. Warner:
Fall daytime resting habits of raccoons as determined by telemetry, 47:450
Mech, L. D., and F. J. Turkowski:
Twenty-three raccoons in one winter den, 47:529
Medin, D. E.:
(see Short, H. L.)
Medway, L.:
Observations on breeding of the pencil-tailed tree mouse, Chiropodomys gliroides, 48:20
Megaderma:
lyra, India, breeding, 41:386
spasma, Laos, North Borneo, 48:634
Megadontomys, 42:104
Megaleia rufa, 50:631
Megaloglossus, brain size, 50:340; woermanni, Angola, 41:395
Megalonyx, 50:122; Tenn., fos., 42:545
Megapedetes, 46:422; dent., 43:310
Megaptera:
nodosa, 44:19
novaeangliae, 49:261, 794; 50:150, 726; Me., hab., 41:279; abnorm., swim., 42:419; sounds, 48:573
Megasorex, generic char., 44:424; gigas, Mexico, distr., 43:283
Megatherium, 50:122
Melanism:
Canis latrans, 47:339
Citellus, 43:107
Marmota, 41:514; 42:100
Rattus norvegicus, 42:268
Sciurus, 41:514
Tamias, 41:514

Meles meles, 47:210; repro., 49:374
Mellivora capensis, Mozambique, 46:260; 49:119
Melomys platyops, M. rufescens, phallic morph., 49:627
Melonycteris *aurantius*, M. melanops, M. woodfordi, tax., 47:25
Mephitis:
macroura, Puebla, 41:519
macroura milleri, 44:382; Tex., Mexico, distr., 46:102
mephitis, 45:321, 607; 46:673, 702; 50:360; Ill., color patt., fighting, 41:139; Ind., 41:261; Me., 41:416; Penn., 42:117; Colo., 42:174; hab., 42:424; Md., swimming, 42:428; Wyo., N. Mex., Colo., 42:510; Colo., deform., 43:420; Ontario, voice, 43:432; anat., 44:67; Alberta, in hare runways, 47:514; prey size, 47:605; telemetry, rabies, 47:705; abnorm. dent., 47:709; bacu., 49:34; Vt., 49:93; N. C., 49:539
mephitis elongata, 44:382; N. C., 45:643
mephitis holzneri, Calif., dent., 42:422
mephitis nigra, N. Y., repro., 44:123
suffocans, South America, 47:354
Meriones:
hurrianae, India, breed., 41:387; West Pakistan, 48:399
meridianus, 47:215
tristrami, gls., 46:33
unguiculatus, 47:210; water bal., 43:150; midventral gl., repro., 48:142
Merriam, H. G.:
An unusual fox:woodchuck relationship, 44:115
Temporal distribution of woodchuck interburrow movements, 47:103
Merycoidodon, 49:301
Meslow, E. C.:
(see Keith, L. B.)
Mesocricetus, gls., 44:541
auratus, 42:202; 47:210; swimming, 44:265; comp., 45:84; gls., 46:32; water loss, 50:519
raddei, 47:210
Mesogaulus, tooth number, 50:608
novellus, 47:401
vetus, 47:408
Mesoplodon, 45:130
australis, 48:650
bidens, 50:150; tax., 45:365
bowdoini, Tasmania, meas., 48:651
carlhubbsi, 48:650
densirostris, 48:650; tax., 45:365; Tasmania, stranding, meas., 47:327
europaeus, 46:701; tax., 45:365
gervaisi, 46:706; 50:150; tax., 45:365
hectori, Tasmania, stranding, 48:650
layardi, Tasmania, meas., 48:650
mirus, 46:701; N. J., tax., 45:365
pacificus, 48:650
stejnegeri, Calif., stranding, 45:133; Alas., 50:127
Mesopotamogale, 41:113
Metabolism:
Antrozous, 41:456
Citellus, 46:478
Cryptotis parva, 50:629
Glis, 46:478
Microtus montanus, 49:215
Myotis, 41:456; 46:478
Perognathus, 46:477, 482
Perognathus hispidus, 43:529
Peromyscus, 41:445
Metachirus nudicaudatus, thermoreg., 50:555
Metahyrachyus, tax., 47:631
Metatarsal gland, Odocoileus, 45:51
Metz, D.:
(see Brown, L. N.)
Metzgar, L. H.:
An experimental comparison of screech owl predation on resident and transient white-footed mice (Peromyscus leucopus), 48:387
Mexico:
Anoura, 42:537
Artibeus, 45:375; 46:497
Baiomys, 41:391
Balantiopteryx, 42:537; 43:108
Chilonycteris, 42:537; 44:45
Chiroderma, 42:537; 45:375
Choeroniscus, 43:102
Dasypterus, 43:103
Desmodus, 41:458; 42:537; 43:108; 46:497
Eumops, 43:103
Eutamias, 46:501
faunal list, bats, 45:375
Glossophaga, 42:533; 43:108; 46:497
Lasiurus, 43:108
Leptonycteris, 44:50; 45:375; 46:497
Liomys, 41:391; 43:109
Macrotus, 43:108; 44:51; 46:497
Marmosa, 43:111
Megasorex, 43:109
Mephitis macroura, 46:102
Mimon, 43:112
Molossops greenhalli, 50:832
Musonycteris, 43:108
Myotis, 41:16; 43:103
Natalus, 43:450; 46:497
Neotoma, 43:109
Noctilio, 42:536; 45:375
Notiosorex crawfordi, 43:283; 50:641
Pappogeomys, 50:748
Peromyscus, 41:391; 42:12; 43:108; 44:201; 46:497; 48:210
Pizonyx, 46:497
Plecotus, 42:402, 538
Pteronotus, 44:48; 45:375; 46:497
Rhogeesa, 42:537; 45:375
Sturnira, 42:537; 46:497
Sylvilagus, 44:120; 46:519
Tadarida, 41:322; 43:103; 44:560
Uroderma bilobatum, 49:695
Uroderma magnirostrum, 49:580
Zalophus, 42:547
Ziphius cavirostris, 48:328
Meyer, J. R.:
(see Mankins, J. V.)
Meyer, R. K.:
(see Rust, C. C.)

Meyerriecks, A. J.:
Florida otter preys on common gallinule, 44:425
Michael, E. D.:
(see Knowlton, F. F.)
Michael, E. D., and J. B. Birch:
First Texas record of Plecotus rafinesquii, 48:672
Michener, G. R.:
Notes on the breeding and young of the crest-tailed marsupial mouse, Dasycercus cristicauda, 50:633
Michigan:
Blarina, 42:46; 43:220; 46:329
Canis latrans, 45:645; 46:498
Castoroides ohioensis, 50:826
Cervus canadensis, 46:498; 47:514
Citellus tridecemlineatus, 46:345; 47:294
Condylura, 42:528
Cryptotis, 42:25; 43:282
faunal list, 42:121
fur trapping, 50:837
Lepus americanus, 45:645
Lynx rufus, 45:645
Microtus, 42:25; 43:220, 351; 47:203; 50:638
Mustela frenata, 42:273; 46:344
Mustela nivalis, 49:413
Mustela vison, 49:488
Myotis keenii, 50:157
Myotis lucifugus, 49:123; 50:157
Napaeozapus, 45:644
Odocoileus virginianus, 41:411; 42:426; 43:112; 44:79; 49:148, 749
Peromyscus leucopus, 42:26; 48:591
Peromyscus maniculatus, 42:260; 47:287, 343
Rangifer, 45:494
Scalopus, 42:26
Sciurus niger, 49:345
Sorex, 42:26, 95
Synaptomys, 42:26
Tamias, 46:344
Ursus, 41:408
Vulpes fulva, 45:645
Vulpes vulpes, 46:530
Zapus, 42:26
Michoacan:
Notiosorex crawfordi, 47:354
Pappogeomys, 50:754
Mickey, A. B.:
Record of the spotted bat from Wyoming, 42:401
Microdipodops, 46:422
pallidus, gls., 46:32
Microgale dobsoni, hab., fd., temp., 47:660
Microhydromys, 49:610
Micromys minutus, 45:84; 47:210
Micronycteris, 48:653
brachyotis, Mexico, 45:375; Guatemala, 49:517
hirsuta, Honduras, 50:819
megalotis, Colombia, 43:422; Colombia, meas., 44:170
megalotis microtis, 50:808
nicifori, Trinidad, 44:396
schmidtorum, Nicaragua, 45:375
Micropotamogale lamottei, 41:113
Micropteropus, brain size, 50:340
Microsorex:
hoyi, Colo., distr., 44:119; New Brunswick, 44:278; Vt., 45:627; wts., meas., 45:651; Wyo., hab., trapping, 48:617; Ga., 49:158; Mont., distr., ecol., tax., 50:581
hoyi hoyi, 47:182; 49:251
hoyi intervectus, Quebec, 42:282
winnemana, distr., 49:331
Microtus, 42:386; 47:208, 214; 49:764; swimming, 42:39; Minn., Calif., Ontario, Pa., N. Y., 44:467; melanistic, 45:150; waltzing, 45:650; fd. hab., 48:562; adrenal wt., 48:599; seb., gl., 49:440; serum, 50:650
abbreviatus, gls., 46:32
agrestis, 42:26; 44:469; 47:7; 50:95; Sweden, 43:176; behav., repro., 43:350; fd. hab., 43:365; repro., 47:348; survivorship, 47:393; lit. size, 48:307; adrenal size, 49:472; photoperiod, 50:542
arvalis, 42:267; 47:215; 48:135; comp., 45:84; gls., 46:34
brandti, 47:210
breweri, Mass., dent., 44:270
californicus, 43:135, 555; 45:277; 46:403; 49:149; Calif., hab., 41:58; anat., 41:129; behav., 42:37; anat., 42:102; evol., vibrissae, 43:105; gls., 43:303, 416; repro., 43:493; pop., 45:178; gls., 46:32; pop. growth, 46:566; dispersion, 49:239; water loss, 50:519
chrotorrhinus, Labrador, Ontario, Quebec, Ungava Peninsula, 43:420; New Brunswick, 44:278; distr., 47:130
fortis, 47:210
fulviventer, 43:157
gregalis, 47:210
guatemalensis, 48:320
gud, distr., 43:522
guentheri, repro., 43:500, 524
ibericus, gls., 46:32
longicaudus, 45:605; 49:265; Calif., anat., 42:102; Colo., 42:415; N. Mex., distr., 43:154; teeth, 43:267; Wyo., Colo., fd., 45:267; Mont., tax., distr., 50:591
longicaudus latus, 46:686
longicaudus mordax, 45:604
mandarinus, 47:210
mexicanus, 48:320; N. Mex., 41:275; 42:399; Ariz., N. Mex., distr., 43:154; Ariz., gls., 43:303; Mexico, Ariz., lit. size, 49:159
mexicanus phaeus, 46:692
montanus, 41:274; 45:607; 47:7; 49:265; 50:95; Calif., anat., 42:102; Colo., 42:173; Colo., N. Mex., distr., 43:154; Calif., 44:467; repro., 46:436; pituitary gl., 47:396; repro., 47:597; oxygen consumption, 49:215; Mont., distr., ecol., 50:590
montanus caryi, Wyo., hab., 41:274
montanus fuscus, 45:604
montanus micropus, Utah, distr., 42:123
montanus nexus, Utah, distr., 42:124

nivalis, Turkey, 43:515; distr., 43:522; gls., 46:32
oaxacenesis, 48:320
ochrogaster, 46:398; 49:248; Colo., 42:173; Ind., pred., 42:540; Ill., behav., 43:351; Ill., mort., 43:422; Ill., 44:274; Ind., 45:150; Colo., 45:299; Ark., 45:471; winter pop., 46:44; Ind., alb., 46:501; Del., longev., 46:514; Ind., repro., 48:287; occur., 49:328; Tenn., 50:126; fd., 50:475; Mont., dist., ecol., 50:591
ochrogaster haydeni, Wyo., 44:130
ochrogaster ochrogaster, Ind., 41:259; Kan., alb., 45:479; emb., repro., 48:317
ochrogaster ohioensis, 41:259
oeconomus, 47:210; trap., 41:141; Sweden, 43:176; Alaska Peninsula, Aleutian Is., 48:125
oeconomus operarius, 48:123
oeconomus unalascensis, Unalaska Is., zoogeog., 48:123
oregoni, gls., 46:32
pennsylvanicus, 41:273, 438; 42:183; 45:276; 46:510; 48:48, 330, 639; 49:124, 218, 248; 50:21, 95, 630, 812; anat., 41:89, 259; Wis., 41:263; home range, 41:405; N. Y., 41:518; Mich., pop., 42:24; Minn., 42:177; Manitoba, 42:194; Mich., wt., 42:274; repro., 42:483; hab., 42:529; N. Mex., distr., 43:154; act., 43:220; Mich., behav., 43:351; trapping, 43:419; repro., 43:493; Quebec, 43:510; Ontario, lit. size, 44:467; Colo., 45:299; Ohio, 46:45; act., 46:286; Ontario, 46:354; repro., age class, pop., dens., adrenal gls., hab., 47:1; homing, 47:55; salt toler., 47:201; hist., 47:225; lactation, lit. size, 48:135; Ind., repro., 48:287; N. C., Tenn., 48:310; insular pops., subsp., tax., 48:579; Vt., home range, move., trapping, 49:93; Pleist., 49:265; repro., 49:322; adrenal size, 49:472; home range, 49:485; vocal., 49:555; N. D., Penn., N. Y., par., 49:773; gastric histol., 50:60; home range, 50:69; Saskatchewan, comp., 50:291; behav., 50:637
pennsylvanicus fontigenus, Quebec, 42:282
pennsylvanicus insperatus, Wyo., 44:130
pennsylvanicus modestus, 49:267
pennsylvanicus pullatus, 46:685; Wyo., hab., 41:273
pinetorum, 45:607; 50:126; La., pop., 44:105; Vt., 45:627; gls., 46:32; Tenn., histol., 46:510; Tenn., ecto. par., 48:40; home range, 49:485; behav., 50:636; Conn., life hist., 50:777
pinetorum auricularis, La., distr., 47:324
pinetorum nemoralis, 45:604; Okla., 42:238
quasiater, Oaxaca, 48:320
richardsoni, 41:274; 49:267; gls., 46:32
richardsoni macropus, Wyo., hab., 41:274
richardsoni myllodontus, 46:686
roberti, Turkey, 43:516; distr., 43:521
socialis, 47:210; distr., 43:423
townsendi, Calif., 43:416
umbrosus, Oaxaca, 48:320
xanthognathus, 49:647
Microxus affinis, 50:647
Middleton Island, Oryctolagus, 46:525
Midventral glands, Blarina, Cricetulus, Cricetus, Mesocricetus, Peromyscus, Phodopus, Sigmodon, 44:541
Midway Islands, Nodus, Ziphius, 44:422
Migration:
Balaena, 44:16
bat, 41:509
Callorhinus, 44:122
Cetacea, 49:259
Eschrichtius, 46:504
Equus, 46:59
Lasiurus borealis, 47:39
Lasiurus cinereus, 47:35, 533
lemmings, 47:490
Mus, 45:29
Myotis, 45:152; 46:296
Nyctalus, 45:152
Nycticeius humeralis, 49:329
Phocoena phocoena, 49:259
Pipistrellus, 45:152
Vulpes, 47:212
Zalophus californianus, 48:68
Mikula, E. J.:
Evidence of Pleistocene habitation by woodland caribou in southern Michigan, 45:494
Milk:
black bear, 47:539
Dipodomys merriami, 47:542
Leptonychotes weddelli, 48:643
Leptonycteris sanborni, 47:542, 551
Pecari tajacu, 42:245; 44:113; 47:542
Tadarida brasiliensis, 47:542, 551
Millardia meltada pallidior, West Pakistan, 48:396
Miller, D. H.:
Daytime attack on a bat by blackbirds, 43:546
Northern records of the pine mouse in Vermont, 45:627
Pygmy shrew in Vermont, 45:651
Miller, D. H., and L. L. Getz:
A method to reduce winter trap mortality, 49:147
Botfly infections in a population of Peromyscus leucopus, 50:277
Life history notes on Microtus pinetorum in central Connecticut, 50:777
Miller, F. L., and G. R. Parker:
Placental remnants in the rumens of maternal caribou, 49:778
Miller, H.:
(see Twigg, G. I.)
Miller, L. H.:
(see Erickson, A. W.)
Miller, P. H., and C. J. McCoy, Jr.:
Kit fox in Colorado, 46:342
Miller, R. S.:
Weights and color phases of black bear cubs, 44:129
Miller, R. S., and H. E. Bond:
The summer burrowing activity of pocket gophers, 41:469
Mimomys, comp., 46:469

AUGUSTANA LIBRARY
UNIVERSITY OF ALBERTA

Mimon:
cozumelae, Mexico, distr., 43:112; roosts, distr., 47:125; Guatemala, 49:517
crenulatum, Trinidad, 44:396
pliocaenicus, 44:13
Minckley, W. L.:
Coyote predation on aquatic turtles, 47:137
Mindanaomys salomonseni, 41:113
Miniopterus, anat., 47:255
australis pusillus, Hong Kong, 49:132
schreibersi, speed, 45:236; 47:353
schreibersi blepotis, 47:79
schreibersi fuliginosus, Hong Kong, 46:131
schreibersi natalensis, Mozambique, 46:258
Mink, 44:261; voice, 50:625
Minnesota:
Blarina brevicauda, 50:154
Citellus, 41:403; 43:109
Clethrionomys gapperi, 42:174; 50:154
Didelphis, 44:118
Eutamias minimus, 47:159, 715
fur trapping, 50:837
Geomys bursarius, 47:729
Lasiurus, 44:265
Lynx, 43:430
Martes americana, 46:588
Martes pennanti, 47:547
Microtus pennsylvanicus, 50:154
Mustela, 44:261
Odocoileus virginianus, 48:655
Peromyscus leucopus, 42:43, 174; 47:500; 50:154
Procyon lotor, 42:113; 47:128, 529; 48:673
Sciurus, 41:272
Spermophilus tridecemlineatus, 50:155
Tamias striatus, 47:159, 715; 50:155
Vulpes, 43:107
Zapus, 41:438
Mioclaenus, 46:394
Mirounga, 44:281; 48:143; 49:237, 668
angustirostris, 47:472; 48:63; longev., 41:114; Calif., Baja California, 41:366; comp., 42:549; temp., 48:484; Ore., distr., 50:639
leonina, 48:63; Antarctica, 41:277; Tasmania, repro., 42:114; Antarctica, distr., 45:314; hab., 47:319; abnorm. penis, 47:731; Antarctica, 49:161
Misothermus, 48:126
Mississippi:
Lasiurus intermedius, 50:845
Marmota, 43:107
Myotis, 48:646
Myotis austroriparius, 47:324; 48:646
Nycticeius humeralis, 48:1
Sigmodon hispidus, 50:810
Sorex, 42:252; 46:495
Missouri:
Antilocapra americana, 41:504; 46:675
Camelops, 50:367
Cryptotis, 41:506
deer, 41:504
elk, 41:504
Eptesicus fuscus, 41:116; 50:303
Equus, 50:367
Felis concolor, 50:372
Felis onca, 50:367
Glaucomys, 45:304
Lasionycteris noctivagans, 50:373
Lasiurus, 41:114
Lasiurus borealis, 46:498; 50:373
Lasiurus cinereus, 50:376
Mammut, 50:367
Mammuthus, 50:367
Mus, 46:461
Myotis griscescens, 41:116; 45:303; 48:284
Myotis keenii, 49:770; 50:373
Myotis sodalis, 45:303; 50:373
Nycticeius humeralis, 46:498; 50:373
Ondatra, 43:145
Perognathus flavescens, 48:479
Peromyscus, 44:424; 45:189, 260, 436
Pipistrellus subflavus, 41:116
Procyon lotor, 47:149
Reithrodontomys, 42:417; 46:506
Smilodon, 50:367
Sorex, 42:527
Sylvilagus aquaticus, 50:832
Symbos, 50:367
Tamias striatus, 41:122
Zapus hudsonius, 45:150
Mitchell, G. C.:
First record of Eumops underwoodi from the state of Jalisco, Mexico, 46:100
Mitchell, G. J.:
Minimum breeding age of female pronghorn antelope, 48:489
Mitchell, H. A.:
Aberrant white fur in the pocketed free-tailed bat, 44:422
Ammonia tolerance of the California leaf-nosed bat, 44:543
Investigation of the cave atmosphere of a Mexican bat colony, 45:568
Mitchell, H. A., and C. D. Smith:
Anomalous tails in Tadarida brasiliensis, 47:148
Mitchell, O. G.:
The supposed role of the gerbil ventral gland in reproduction, 48:142
Mitchell, O. G., and R. A. Carsen:
Tooth eruption in the arctic ground squirrel, 48:472
Moen, A. N.:
Hypothermia observed in water-chilled deer, 48:655
Mohlhenrich, J. S.:
Distribution and ecology of the hispid and least cotton rats in New Mexico, 42:13
Mohrman, R. K.:
(see Parmalee, P. W.)
Molars, supernumerary, Otocyon, 45:284
Molossops:
greenhalli, Honduras, 50:821; Venezuela, karyo., 50:831
planirostris, Brazil, 44:23
temminckii griseiventer, Colombia, 44:178
Molossus:
ater, Trinidad, 44:396, 522; act. patt., 49:755; fd., 50:162
bondae, 41:185; 47:237
fortis, Puerto Rico, alb., 45:476; Puerto Rico, fos., 49:410
fusciventer, 47:237

longicaudatus, 47:237
major, Brazil, hab., 44:23; Colombia, 44:179; Trinidad, 44:396; 47:239; Colombia, fd., 48:653
molossus crassicaudatus, 47:237
nigricans, flight, 42:153; Panama, 45:495
obscurus, 47:237
sinaloae, 50:809
Molt:
Callorhinus, 45:299
Crocidura, 46:426
Cryptotis, 43:423
Leptonychotes weddelli, 47:317
Lepus, 46:415
Mustela, 43:323
Neotoma, 43:328
Ochrotomys nuttalli, 48:236
Onychomys leucogaster, 46:338
Onychomys torridus, 49:653
Perognathus parvus, 50:284
Peromyscus boylii, 48:238
Peromyscus eremicus, 49:499
Peromyscus interparietalis, 49:499
Peromyscus leucopus, 48:238
Peromyscus melanotis, 48:239
Peromyscus polionotus, 47:145
Peromyscus truei, 48:236
Sorex, 43:423
Suncus murinus, 49:59
Mona Island, Rattus, 42:344
Monachus, 47:472
monachus, Turkey, tax., distr., 45:316
schauinslandi, Hawaii, pop., 41:376; Hawaii, age, dent., 44:280; growth, develop., repro., mort., 49:229; Johnston Atoll, 50:841
tropicalis, Fla., distr., 42:113
Monodelphis adusta adusta, Colombia, distr., 45:325
Monodon:
monoceros, Alas., distr., 41:250; 47:512
Monophyllus:
plethodon frater, Puerto Rico, fos., 49:405
redmani portoricensis, Puerto Rico, fos., 49:406
Montana:
Antilocapra americana, 50:81, 373
Cervus, 44:261
Cervus canadensis, 50:640
Citellus, 45:476
Erethizon, 42:112
Eutamias amoenus, 49:84
Eutamias minimus, 49:84
faunal list, 50:579; bats, 50:737
fossil rodents, 50:815
Gulo, 45:485
Martes, 42:112
Myotis thysanodes, 48:234
Odocoileus, 42:112
Oreamnos americanus, 48:242
Ovis, 44:116; 46:524
Sorex, 41:230
Sorex palustris, 48:475
Tamiasciurus, 42:112
Thomomys, 42:542
Ursus, 42:112; 45:476
Montgomery, G. G.:
Pelage development of young raccoons, 49:142
(see Sunquist, M. E.)
Moor, K., F. Stay, and W. G. Bradley:
Mexican free-tailed bat and western pipistrelle found roosting in sedges, 46:507
Moore, J. C.:
Colin Campbell Sanborn (1897–1962), obit., 44:149
D. Dwight Davis (1908–1965), obit., 46:371
Rebuttal on identification of Mesoplodon specimen from North Long Branch, New Jersey, 46:701
Sympatric species of tree squirrels mix in mating chase, 49:531
Everhard Johannes Slijper (1907–1968), obit., 50:386
Moran, R. J.:
Bobcat found on Lake Michigan island, 45:645
Moran, R. J., and T. Fairbanks:
Vestigial first premolar in Michigan elk, 47:514
Moran, R. J., and J. J. Ozoga:
Elk calf pursued by coyotes in Michigan, 46:498
Morejohn, G. V.:
A northern record of a female California sea lion, 49:156
A killer whale—gray whale encounter, 49:327
Morelos:
Artibeus, 41:508
faunal list, bats, 48:285
Leptonycteris nivalis, 47:329
Macrotus waterhousii, 49:707
Morgan, E. L.:
(see Golly, F. B.)
Mormoops, Jamaica, 47:351
blainvillii cuvieri, Puerto Rico, fos., 49:404
megalophylla, 45:330; 48:571; Fla., Pleist., 44:373; Tex., 49:516
megalophylla megalophylla, Ariz., 42:404
megalophylla senicula, Tex., 42:404; Tex., 43:279
Morphology:
bats, molossid, 47:249
Blarina brevicauda, repro., 48:554
Callorhinus ursinus, 48:144
Crocidura jacksoni, repro., 48:664
Cryptotis parva, repro., 48:664
Cynomys leucurus, repro., 48:100
Erignathus barbatus, 48:144
Eschrichtius, 45:93
Feresa, 46:453
Gazella, 48:190
Histriophoca fasciata, 48:144
Nectogale elegans, repro., 48:664
Odobenus rosmarus, 48:144
Odocoileus hemionus, 45:48; dent., 47:640
Odocoileus virginianus, 47:266
Pusa hispida, 48:144
rodents, New Guinea, phallic, 49:609
Sorex cinereus, repro., 48:664

Sorex longirostris, repro., 48:664
Suncus murinus, repro., 48:664
Morris, B.:
(see Hanney, P.)
Morris, D.:
(see Jarvis, C.)
Morris, M. J.:
(see Hansen, R. M.)
Morris, O. W.:
(see Gashwiler, J. S.)
(see Leslie, R. W.)
Morris, R. D.:
Competitive exclusion between Microtus and Clethrionomys in the aspen parkland of Saskatchewan, 50:291
Morrison, P.:
A caging arrangement for small mammals, 41:283
An analysis of body temperature in the chimpanzee, 43:166
Insulative flexibility in the guanaco, 47:18
(see McNab, B.)
Morrison, P., and W. T. Allen:
Temperature response of white mice to implants of brown fat, 43:13
Morrison, P., and F. A. Ryser:
Hypothermic behavior in the hispid pocket mouse, 43:529
Morrison-Scott, T. C. S.:
Antler anomalies, 41:412
Mortality:
Blarina brevicauda, 43:422; 49:211, 331
Citellus tridecemlineatus, 47:306
Clethrionomys gapperi, trap, 49:147, 331
Eptesicus fuscus, 49:777
Eschrichtius, 45:89
Lasiurus, 44:265
Lemmus lemmus, 47:491
Leptonychotes weddelli, 47:320; 50:559
Lynx, 43:430
Microtus ochrogaster, 43:422
Microtus pennsylvanicus, in utero, 47:15
Monachus schauinslandi, 49:229
Mus musculus, 47:438; 48:262
Napaeozapus insignis, 49:331
Neotoma, 43:328
Onychomys leucogaster, 41:99
Peromyscus leucopus, 49:331
Peromyscus polionotus, 47:437
Pitymys, 43:422
Plecotus townsendi, 47:395
Procyon lotor, 49:67
Rangifer, 42:550
Sigmodon, 42:265
Moschus moschiferus, 50:303, 350
Mossman, A. S.:
Sound of a common waterbuck, 45:629
(see Dasmann, R. F.)
Mossman, A. S., and B. G. R. Reynolds:
Some African techniques for capturing mammals, 43:419
Mott, P. R.:
(see Andrews, J. C.)
Mouse, 46:384
house, sex ratio, 48:593
Movements:
Ammospermophilus, 44:192
Canis, 43:270
Dipodomys, 44:193
Eutamias, 49:87
Holochilus, 43:369
lemming, 47:490
Lobodon, 49:161
Lynx canadensis, 50:640
Mephitis mephitis, 47:705
Onychomys, 44:195
Ovis canadensis, 46:353
Perognathus, 44:198
Peromyscus leucopus, 47:500
Peromyscus maniculatus, 44:195
Procyon lotor, 50:145
Rattus, 42:344; 44:335
Reithrodontomys, 42:323
Tadarida, 43:56
Vulpes, 43:107
Mozambique, faunal list, 46:254; 49:117
Mule, 43:206
Mullen, D. A.:
Adrenal weight changes in Microtus, 41:129
(see Rudd, R. L.)
Multituberculata, replaced by Rodentia, 46:280
Mumford, R. E.:
A concentration of hoary bats in Arizona, 44:272
Unusual dentition in Myotis occultus, 44:275
A melanistic prairie vole, 45:150
Long-tailed weasel preys on big brown bats, 50:360
Mumford, R. E., and L. L. Calvert:
Myotis sodalis evidently breeding in Indiana, 41:512
Mumford, R. E., and D. A. Zimmerman:
Notes on Choeronycteris mexicana, 43:101
The southern yellow bat in New Mexico, 44:417
Mundy, K. R. D., and D. R. Flook:
Notes on the mating activity of grizzly and black bears, 45:637
Mungos mungo genescens, Mozambique, 46:259
Muntiacus:
muntjak pleiharicus, Borneo, sickled cell, 45:492
sinensis, dent., 42:552
Muntjac, dent., 42:552
Murie, A.:
Aquatic voles, 41:273
Some food habits of the marten, 42:516
Murie, M.:
Homing and orientation of deer mice, 44:338
Murie, O. J.:
Abnormal wapiti antlers, 44:261
Murina, New Guinea, distr., 42:531
aurata ussuriensis, Korea, 41:265
Murray, K. F., and A. M. Barnes:
Distribution and habitat of the woodrat, Neotoma fuscipes, in northeastern California, 50:43
Mursaloğlu, B.:
Occurrence of the monk seal on the Turkish coasts, 45:316
Mus, 42:282; 47:10; 49:102; dent., 43:310; wt., fd. hab., 43:365; S. C., compet.,

habitat select., home range, behav., repro., water consumption, move., 45:12; ammonia toler., 48:564
booduga booduga, West Pakistan, 48:397
cervicolor, West Pakistan, 48:397
minutoides, Northern Rhodesia, repro., 41:405
minutoides marica, Mozambique, 46:263
musculus, 41:220, 260; 42:391; 43:416; 44:469; 45:12, 260, 604; 46:426; 47:210; 48:260, 287, 649; 49:307, 482, 564, 610, 774; 50:337, 629, 653; polymorphism, 41:220; Ind., 41:260; Sonora, 41:282; terr., 42:30; Utah, distr., 42:124; marking, 42:465; Calif., behav., 43:133; trapping, 43:547; Calif., age, breed., repro., pop., 44:153; comp., 45:84; Calif., pop., 45:178; repro., 45:272; S. C., 46:4; gls., 46:33; Ohio, 46:45; select., 46:461; emigration, soc. struct., organ wts., 47:28; lit. size, birth wt., 47:111; Ga., compet., pop. dynam., hab., mort., 47:431; Ind., fd., 47:473; British Columbia, extra teeth, periodontal disease, 47:519; temp. select., 47:655; temp. effects growth rate, weaning wt., 47:694; absence on islands, 47:703; Johnston Atoll, 47:728; dent. agenesis, 47:733; Tenn., ectopar., 48:40; soc. struct., pop. dynamics, gen., behav., 48:88; Unalaska Is., 48:124; act., aggression, dens., confined pops., 48:262; Calif., repro., lit. size, 48:677; spleen wt., preg., 49:122; Calif., home range, 49:149; pop. dens., 49:241; Fla., trapping, dens., repro., 49:457; adrenal size, 49:472; vocal., 49:555; act., 49:565; aggression, 49:572; phallic morph., 49:631; repro., 49:658; 50:49; resistance scorpion venom, 50:160; water loss, 50:519; Ala., pop., ecol., pred., 50:609; Iraq, 50:614
musculus bactrianus, West Pakistan, 48:397
musculus brevirostris, Okla., 42:239
Musacchia, X. J.:
(see Barr, R. E.)
(see Brumleve, S. J.)
Musculature, Hemiechinus auritus, Paraechinus micropus, 46:217
Musgrove, B. F.
(see Cockrum, E. L.)
Muskrat, Tenn., 42:555
Musonycteris, 45:474
harrisoni, Mexico, distr., 43:108
Musser, G. G., and S. D. Durrant:
Notes on Myotis thysanodes in Utah, 41:393
Mustard, E. U., Jr.:
(see Haugen, A. O.)
Mustela, 43:175; 47:208; 50:838; molt, 43:323
altaica, 47:210
cicognani, 45:248
erminea, 43:181; 45:248; 46:417; 47:210; 48:295; 49:418; Kans., fos., 41:361; Minn., 42:179; trapping, 43:547; Alberta, in hare runway, 47:541; Alas., Aleutian Is., 48:125; Vt., 49:93; trapping, 49:318; repro., 49:374; Saskatchewan, 50:296
erminea bangsi, Wis., 43:323
erminea orientalis, Japan, 41:202
erminea richardsoni, pred., 47:192
eversmanni, 47:210
frenata, 45:248; 49:318, 418; comp., 41:362; Kan., fos., 41:365; Puebla, hab., 41:519; Colo., 42:174; Wyo., behav., hab., 42:276; Wyo., distr., 44:130; Mich., behav., pred., 46:344; Alberta, in hare runway, 47:541; prey size, 47:605; age determ., 48:612; Calif., trapping, 49:157; repro., 49:374; Ind., pred. on bat, 50:360
frenata frenata, 42:273
frenata latirostra, Calif., 41:279
frenata neomexicana, 41:279
macrodon, distr., 42:380; Mass., 43:429
nigripes, 50:838; Neb., distr., 42:93; Wyo., 47:396; Mont., distr., 50:596; hab. in capt., 50:619
nivalis, 43:181; 47:210, 217; Ind., distr., 46:516; prey size, 47:605; Alas. Pen., Aleutian Is., 48:125; Mich., mating, develop., 49:413; vocalization, 49:548; Saskatchewan, 50:296
nivalis allegheniensis, N. C., 48:488; Tenn., 49:133
putorius, 49:418; U. S. S. R., 47:354
rixosa, 41:202, 519; 46:417; comp., 41:361; Mich., fd., 42:273; Mich., 43:223; trapping, 49:318
rixosa allegheniensis, N. C., pel., 41:519
rixosa namiyei, Japan, 41:202
vison, 41:260, 416; 45:305; 46:417, 550; 47:541; 48:295; 49:227, 418; 50:360; Ind., 41:260; Kan., fos., 41:362; Me., 41:416; Ga., pred., 45:305; Ontario, 46:355; pel., 46:549; as fd., 47:529; Alberta, in hare runway, 47:541; repro., 48:113; Alas. Pen., Aleutian Is., 48:125; bacu., 49:34; Mich. dent., 49:488; voice, 50:625; behav., repro., 50:742
Muul, I.:
Mating behavior, gestation period, and development of Glaucomys sabrinus, 50:121
Photoperiod and reproduction in flying squirrels, Glaucomys volans, 50:542
Muul, I., and F. W. Carlson:
Red-back vole in trees, 44:415
Mycetes, 44:241
Myers, G. T., and T. A. Vaughan:
Food habits of the plains pocket gopher in eastern Colorado, 45:588
Myers, R. F.:
Lasiurus from Missouri caves, 41:114
Myotis grisescens from eastern Kansas, 45:650
Mylagaulus, Fla., Plio., tax., teeth, 47:401
kinseyi, 47:403
Mylodon, 50:122
Myocastor coypus, Neb., distr., 42:93; Okla., 42:239; N. C., fd., 42:269; La., act., 43:337; La., anat., gl., 43:359; England, La., Patagonia, Poland, U. S. S. R., adap., 43:418; La., fd., 44:261; genital struct.,

45:493; U. S. S. R., disper., 46:101; U. S. S. R., enemies, compet., 47:353
coypus molina, wt., oestrous cycle, 43:362
Myopus, 49:436
schisticolor, Sweden, 43:176
Myosorex polli, 41:112
Myospalax dybowskyi, M. fontanieri, M. myospalax, M. psilurus, 47:210
Myotis, 42:408; 46:518; water metab., 41:452; Kan., 42:98; Penn., fos., 42:402; Tenn., 45:148; Kan., 45:150; Bulgaria, U. S. S. R., migr., 45:152
albescens, 42:559
apache, tax., 41:16
argentatus, 42:559
auriculus, tax., 41:16
austroriparius, 50:157; part., 41:184; distr., roosts, 47:128; karyo., 48:270; Ala., Ga., La., Miss., Okla., hab., 48:645; bacu., distr., 49:113; La., 49:139
austroriparius austroriparius, La., 47:324
austroriparius gatesi, distr., 47:128; La., 47:324; Ark., 48:130
austroriparius mumfordi, Ky., 42:399; distr., 47:128; La., distr., 47:323; Ark., 48:130
baileyi, status, 48:429
blythi, 42:372
californicus, 45:472; 47:148; 50:128; Ariz., 42:64; 44:272; 45:322; Ariz., speed, 45:238; act., 45:635; Sonora, 46:331; karyo., 48:271; Alas., 48:487; Texas, 49:516; Mont., 50:737
californicus californicus, N. Mex., 43:427; Zacatecas, 49:745
californicus mexicanus, 49:743
capaccinii, 49:130
chiloensis, South America, 48:487
cobanensis, 50:821
dasycneme, 47:210
daubentoni, 47:79; 48:134
davidii, Hong Kong, 49:130
elegans, karyo., 48:271
emarginatus, 41:184
evotis, 47:249; tax., 41:16; Ariz., 42:64; Utah, 47:350; karyo., 48:271; Mont., 50:737
evotis evotis, 48:231; Nev., ecol., 45:397
fimbriatus, Hong Kong, 49:130
fortidens, karyo., 48:270; tax., distr., var., 48:429
fortidens *sonoriensis*, comp., distr., 48:441
grisescens, 45:150, 601, 650; Mo., 41:116; Kan., distr., 42:98; Ky., 44:119; Va., 45:151; Mo., 45:304; karyo., 48:271; Ala., Miss., repro., 48:646; N. C., distr., 50:370
horsfieldi, Java, 50:836
keenii, 49:113; 50:373; tax., 41:16; Ohio, hab., 42:400; Ill., hiber., 43:30; trapping, 44:478; Ariz., speed, 45:238; Ariz., 45:322; act., 45:635; Nova Scotia, 46:528; N. Y., distr., 47:526; karyo., 48:271; Alas., 48:487; Mo., partu., 49:770; Penn., act., 49:779; Mont., 50:737
keenii septentrionalis, Quebec, 42:281; Miss., 48:647
leibii, karyo., 48:271; Penn., act., 49:779; Mont., 50:737
leibii ciliolabrum, 48:235
leibii leibii, Ky., 46:683; Tenn., N. C., Ga., roosts, 48:142; Ark., 48:666
leibii melanorhinus, 48:666
lucifugus, 41:266; 42:98; 47:79, 249; 48:327, 429, 465; 49:314; 50:370, 729; Mo., 41:116; partu., 41:183; metab., 41:456; flight, 42:153; Ky., 42:399; W. Va., hab., 42:530; Ill., hiber., 43:30; Ky., 44:119, 121; N. Y., hiber., sex ratio, 45:475; Ky., winter awake., 45:645; fd., capt., temp., 46:18; act., hiber., wt., 46:94; hist., migr., 46:296; Vt., Mass., longev., 46:332; Nova Scotia, caves, 46:528; temp., 46:681; Ind., flight, nursery colony, 47:323; bleeding, 47:349; hiber., 47:349; age, 47:383; thermoreg., 47:520; N. Y., distr., 47:526; energy use, 47:719; seas. changes in circulation, 48:132; karyo., 48:270; Alas., 48:487; ammonia toler., 48:564; growth, 49:48; bacu., distr., 49:113; Mich., torpor, 49:123; act., 49:779; seas. thermogenetic patt., oxygen consumption, 49:791; flight, 50:152; Mont., 50:737
lucifugus carissima, 43:193
lucifugus lucifugus, Manitoba, 42:529; Quebec, 43:508; Vt., act., fd., 43:546; Vt., trapping, 44:577; Ala., Miss., repro., 48:645
lucifugus phasma, status, 43:192
myotis, 47:79; partu., 41:184; Middle East, rev., 42:372; metab., 46:478
myotis chinensis, Hong Kong, 49:130
myotis *macrocephalicus*, 42:373
myotis myotis, 42:372
myotis risorius, 42:372
mystacinus, migr., 45:152; 47:79, 210; banding-recapture, 47:384
nigricans, Mexico, distr., 43:103; Brazil, hab., 44:23; Colombia, meas., 44:177; karyo., 48:271
nigricans dalquesti, Mexico, 45:302
nigricans extremus, 45:303
occultus, 48:429; N. Mex., 42:538; N. Mex., dent., 44:275; Ariz., breed., meas., wt., 44:279; Sonora, 46:331; tax., distr., 48:429
ricketti, Hong Kong, 49:131
septentrionalis, tax., 41:16
sodalis, 48:134; 50:157; Mo., 41:116; Ind., hab., 41:512; Ark., pel., 41:526; Ky., 42:399; 44:119, 121; 46:96; Mo., 45:303; blood, 45:606; prey, 46:672; homing, vision, 47:356; N. Y., distr., 47:526; karyo., 48:271; visual orientation, 48:482; Miss., 48:647; move., 49:49; Penn., act., 49:779; flight speed, 50:152; Mo., repro., 50:372
subulatus, 46:529; Ariz., 42:64; 44:272; 45:322; Tex., 43:279; Ariz., roosts, 44:428; act., 45:635; 46:356
subulatus leibii, Ky., distr., 44:122; roosts, 47:121; hiber., 47:348
subulatus melanorhinus, 48:322; Okla., 42:236; Chihuahua, 42:281; N. Mex., 43:427
subulatus subulatus, 42:281; N. D., 43:263

thysanodes, 42:97; Utah, distr., 41:393; Ariz., 42:64; 44:272; 45:322; flight, 42:153; N. Mex., 42:538; 43:427; Ariz., speed, 45:238; act., 45:635; karyo., 48:220; Mont., 50:737
thysanodes *pahasapensis*, 48:231; 50:739
thysanodes thysanodes, 48:231; 49:743; Nev., ecol., 45:397; Utah, 47:350
velifer, 45:569; 47:79; 249; 48:134, 571; 49:769; Ariz., 41:510; 42:404; 46:509; flight, 42:153; Ariz., homing, 44:131; Ariz., roosts, 44:428; Ariz., speed, 45:238; Nev., distr., 45:638; Sonora, 46:331; Tex., pop., 46:612; artificial nursing, 47:524; karyo., 48:270; bacu., 48:430; Tex., 49:516; Honduras, 50:821
velifer incautus, Okla., 42:236; Tex., 43:279; N. Mex., 43:427
velifer velifer, Michoacan, 42:121; Honduras, 45:375; Zacatecas, 49:745
vivesi, karyo., 48:270
volans, 42:97; Ariz., 42:64; 44:272; N. Mex., 42:538; Ariz., speed, 45:238; Utah, 47:350; karyo., 48:270; Alas., 48:487; Mont., 50:737
volans amotus, 46:691
volans interior, Ariz., distr., 45:322; Nev., ecol., 45:397
yumanensis, 41:455; 47:249; 49:769; Calif., 41:266; Ariz., 42:404; 45:472; 46:509; Ariz., roosts, 44:428; Ariz., speed, 45:238; Sonora, 46:331; Calif., roosts, response to high temp., 48:52; karyo., 48:270; Mont., 50:745
yumanensis lutosus, Zacatecas, 49:745
yumanensis yumanensis, distr., 43:192; N. Mex., 43:427; distr., 47:126; Utah, 47:350
Myoxus nitela, Israel, 45:69
Mystacinus tuberculatus, New Zealand, 48:487

N

Nabholz, V.:
(see Gentry, J. B.)
Nader, I. A.:
Records of the shrew, Crocidura russula, from Iraq, 50:614
Nader, I. A., and R. L. Martin:
The shrew as prey of the domestic cat, 43:417
Nadler, C. F.:
Chromosomes and systematics of American ground squirrels of the subgenus Spermophilus, 47:579
Chromosomes of the ground squirrel, Spermophilus richardsonii aureus, (Davis), 49:312
(see Sutton, D. A.)
Nadler, C. F., and C. E. Hughes:
Chromosomes and taxonomy of the ground squirrel subgenus Ictidomys, 47:46
Nandinia, anat., 44:273
Napaeozapus, 44:249; fd., hab., par., 44:316; 45:149; Vt., 45:627; Mich., Ind., 45:644
insignis, 45:149; 49:158; New Brunswick, 44:278; N. Y., 44:316; N. C., 44:581; 49:539; gls., 46:88; os clitoris, meas., 47:127; trap. mort., 49:332
insignis abietorum, Quebec, 42:282
Nasalis larvatus, longev., 41:114
Nash, D. J., and L. C. Cantor:
Spleen weight changes in the house mouse during pregnancy, 49:122
Nasua:
narica, Oaxaca, 41:415; Puebla, 41:519
nasua, hearing, 50:567
Natalidae, 43:449; pulse, 43:453
Natalus:
mexicanus, Sonora, 42:403; Mexico, 43:450
stramineus, Mexico, distr., 42:536
stramineus mexicana, 46:497
Navigation, molossid bats, 48:482
Nayarit, Anoura, 41:511
Neal, B. J.:
Reproductive habits of round-tailed and Harris antelope ground squirrels, 46:200
Neave, D. J., and B. S. Wright:
Seasonal migrations of the harbor porpoise (Phocoena phocoena) and other cetacea in the Bay of Fundy, 49:259
Observations of Phocoena phocoena in the Bay of Fundy, 50:653
Nebraska:
Cervus canadensis, 47:332
Citellus tridecemlineatus, 47:296
Eumys elegans, 49:529
faunal list, 41:132; 42:92
fossil rodents, 50:816
Mustela nigripes, 47:346
Mylogaulus, 47:408
Odocoileus, 46:528
Paracricetodon eviguus, 49:529
Sorex merriami, 48:493
Symbos, 42:114
Tadarida, 46:518
Vulpes velox, 48:471
Nebraskomys, comp., 46:466
Nectogale elegans, repro. morph., 48:664
Nectomys alfari alfari, Honduras, 50:643
Negus, N. C.:
(see Stewart, P. A.)
Negus, N. C., and H. A. Dundee:
The nest of Sorex longirostris, 46:495
Negus, N. C., and A. J. Pinter:
Litter sizes of Microtus montanus in the laboratory, 46:434
Reproductive responses of Microtus montanus to plants and plant extracts in the diet, 47:596
Nekrolagus progressus, tooth patt., 44:1
Nellis, C. H.:
Antler from right zygomatic arch of white-tailed deer, 46:108
Nellis, C. H., and S. P. Wetmore:
Long-range movement of lynx in Alberta, 50:640
Nellis, D. W.:
Acclimating bats to captivity, 50:370
Nelson, C. E.:
(see Casebeer, R. S.)
Nelsonia, 50:29

Nelson-Rees, W. A., A. J. Kniazeff, R. J. Baker, and J. L. Patton:
Intraspecific chromosome variation in the bat, Macrotus waterhousii Gray, 49:706
Neofiber alleni, gls., 46:32; seb. gls., 49:436
Neohydromys fuscus, 41:113; phallic morph., 49:620
Neohylomys, 45:474
Neomys fodiens, 46:432; 47:210; develop., 49:51
Neorheomys, 45:474
Neosorex, 48:122
Neotamias, 41:268
Neotoma, 42:116, 513; 45:605; bacu., 41:476; growth, 41:480; meas., 41:487; behav., 44:541; frozen wt. changes, 46:110; behav., 49:657
albigula, water intake, 50:605
albigula albigula, Tex., 49:538
albigula laplataensis, Colo., 48:322
alleni, Mex., distr., 43:109
attwateri, 42:238
cinerea, 42:557; 48:661; 50:43; comp., 41:478; gls., 46:32; postpart. estrus, 50:538
cinerea acraia, Utah, repro., develop., color, lit. size, mort., molt, terr., 43:328
cinerea lucida, Nev., ecol., 45:397
cinerea saxamana, Alas., 43:431
eremicus, hab., 41:482
floridana, 42:557; 45:607; 50:29; Ind., 41:111; S. C., 46:4; gls., 46:32; Ark., 49:530; repro., 50:538
floridana haematoreia, N. C., distr., 46:499
floridana illinoensis, Ill., 42:119
floridana magister, red light, 49:759
floridana osagensis, Okla., 42:238; 45:604; warbles, 46:99; home range, 50:378
fuscipes, 48:48; Calif., 41:391; Calif., pop., 45:182; gls., 46:32; Calif., distr., hab., 50:43; water loss, 50:520; repro., 50:538
harteri, comp., 41:478
lepida, 48:217; 50:45; gls., 46:32; longev., 41:113; temp., 41:114; ref., 41:476; Calif., 45:212; water loss, 50:520; postpartum estrus, 50:538
lepida lepida, Nev., ecol., 45:397; Calif., partu., 46:340
mexicana, N. Mex., 41:276; comp., 41:477; N. Mex., repro., 49:533; Colo., repro., 50:536; water intake, 50:605
micropus, water intake, 50:605
monstrabilis, comp., 41:478
phenax, 41:477; Mexico, distr., 43:112
relicta, Ariz., N. Mex., distr., 41:476
stephensi, Ariz., Nev., N. Mex., hab., distr., growth, repro., 41:476
Nesogale, 47:660
Nesokia indica, gls., 46:33
indica buxtoni, 50:614
indica indica, West Pakistan, 48:398
Nesolagus netscheri, 44:2
Nesonycteris, tax., distr., 47:23
Nesophontes, 46:394
edithae, Puerto Rico, fos., 49:401
Nesotragus moschatus livingstonianus, Mozambique, 46:261
Nesting:
Calomys, 41:517
Condylura cristata, 47:538
Dipodomys stephensi, 48:628
Dryomys, 41:275; 45:73
Holochilus, 43:369
Lagurus lagurus, 47:213
Lasiurus, 44:272
Mus, 45:22
Ochrotomys, 45:369
Ototylomys phyllotis, 50:38
Perognathus longimembris, 47:420
Peromyscus, 42:494; 45:22
Zapus hudsonius, 46:68
Netherlands New Guinea, Syconycteris, 41:395
Netherlands, Talpa, 45:31
Nevada:
Ammospermophilus leucurus, 44:192; 49:14
Antrozous pallidus, 44:125; 50:128
bighorn sheep, 46:352
Bison, 42:279; 47:355
Dipodomys merriami, 43:265; 44:193; 46:515; 48:537; 49:272
Dipodomys microps, 43:265; 44:193; 48:537; 49:272
Eptesicus fuscus, 50:128
Euderma, 43:415
Eumops perotis, 48:672
faunal list, 45:397
Felis, 45:397
fossil sheep, 50:807
Lasiurus cinereus, 45:461; 50:128
Lepus californicus, 47:42
Myotis californicus, 50:128
Notiosorex crawfordi, 44:582
Odocoileus, 44:159
Onychomys torridus, 44:195; 49:303, 644
Perognathus, 46:478
Perognathus formosus, 44:198, 415; 46:478; 48:537; 49:272
Perognathus inornatus, 46:478
Perognathus longimembris, 44:198; 45:403; 46:478; 48:537; 49:104, 272
Perognathus parvus, 45:403
Perognathus spinatus, 45:301
Pipistrellus, 46:507
Pipistrellus hesperus, 50:128
Plecotus phyllotis, 40:128
Spermophilus townsendi, 47:581
Tadarida, 46:507
Thomomys, 44:261; 46:525
Thomomys townsendii, 49:545
Neville, M. K.:
A free-ranging rhesus monkey troop lacking adult males, 49:771
Nevo, E., and E. Amir:
Geographic variation in reproduction and hibernation patterns of the forest dormouse, 45:69
New Brunswick:
faunal list, 44:278
Microtus pennsylvanicus, 48:579
Phocoena phocoena, 50:653, 722
Newby, F. E., and J. J. McDougal:
Range extension of the wolverine in Montana, 45:485
(see Hoffmann, R. S.)

New England:
Myotis, 46:296
Peromyscus, 43:102
Urocyon, 45:144, 307
Vulpes, 45:307
Newfoundland:
Alces alces, 48:668
Lynx canadensis, 45:36; 50:640
Microtus, 43:513
Microtus pennsylvanicus, 48:579
Phoca vitulina, 48:249
Sorex, 44:277
New Guinea:
Conilurus penicillatus, 41:264
Dobsonia, 43:39
faunal list, 47:721; rodents, 49:609
Kerivoula, 46:517
Mayermys, 41:113
Murina, 42:531
Neohydromys, 41:113
Phoniscus, 46:517
Planigale, 41:264
Pteropus, 41:264; 44:38
Rattus, 41:277
Syconycteris, 43:41
Thylacinus, 44:279
Thylogale, 41:264
New Jersey:
Lasiurus, 46:695
Mesoplodon, 45:365
New Mexico:
Antilocapra americana, 47:708
Antrozous, 42:538
Canis, 42:510
Dasypus, 44:581
Didelphis, 41:393
Eptesicus fuscus, 42:538; 50:842
Euceratherium, 44:583
Euderma, 42:67, 401, 538
Lasionycteris, 42:538
Lasiurus borealis, 41:114; 42:404, 538
Lasiurus cinereus, 41:114; 42:538; 45:461; 48:285
Lasiurus ega, 44:417
Leptonycteris sanborni, 47:331
Lynx, 42:510
Mephitis, 42:510
Microtus longicaudus, 43:267
Microtus mexicanus, 42:399; 43:154; 49:159
Microtus montanus, 43:154
Microtus pennsylvanicus, 43:154
Myotis, 44:275
Myotis californicus, 43:427
Myotis evotis, 41:16; 48:284
Myotis leibii, 48:284
Myotis lucifugus, 43:192; 48:284
Myotis subulatus, 43:427
Myotis thysanodes, 42:538; 43:427; 48:235, 284
Myotis velifer, 43:427
Myotis volans, 48:284
Myotis yumanensis, 43:192, 427
Neotoma mexicana, 49:533
Neotoma stephensi, 41:489
Notiosorex, 46:209
Odocoileus, 43:268; 45:48
Onychomys, 41:275
Perognathus flavescens, 49:757, 771
Perognathus flavus, 43:278
Perognathus intermedius, 48:36
Peromyscus difficilis, 42:3
Peromyscus hagermanensis, 43:484
Plecotus phyllotus, 48:285
Preptoceras, 44:583
Procyon, 42:510
Sciurus aberti, 47:550
Sigmodon fulviventer, 50:334
Sigmodon hispidus, 42:14; 49:317
Sigmodon ochrognathus, 41:462
Sorex, 42:399; 46:206
Spermophilus spilosoma, 47:47
Spilogale, 42:421
Sylvilagus, 44:511
Tadarida, 41:322; 42:404, 538; 44:560
Tamiasciurus, 42:313
Taxidea, 42:510
Thomomys bottae, 47:720
Vulpes, 42:510; 48:219
New South Wales:
Dugong, 43:433
Oligotomus, 41:113
Pteropus, 42:252
New York:
Blarina brevicauda, 44:419; 49:205
Canis latrans, 41:278
Canis lupus, 50:384
Clethrionomys, 43:200
Eptesicus fuscus, 47:526
Glaucomys, 43:262
Lasiurus, 41:114; 45:461
Lutra, 45:242
Marmota, 41:514; 44:115
Mephitis, 44:123
Microtus pennsylvanicus, 41:518; 49:773; 50:71
Mus musculus, 47:733
Myotis keenii, 47:526
Myotis lucifugus, 45:475; 47:526
Myotis sodalis, 47:526
Myotis subulatus, 47:348
Napaeozapus, 44:316
Napaeozapus insignis, 47:127
Odocoileus virginianus, 47:154
Peromyscus, 41:518; 44:418; 45:31
Peromyscus maniculatus, 48:591
Phocoena phocoena, 50:722
Pipistrellus subflavus, 47:526
Pitymys, 41:275
Rangifer tarandus, 49:344
Sciurus, 44:124
Tamias, 41:514; 42:256; 44:577
Tamiasciurus, 41:438; 44:123
white-tailed deer, 45:151; 48:321
Vulpes fulva, 44:115
Vulpes vulpes, 49:526
Zapus hudsonius, 41:518; 47:127
New Zealand:
Cervus canadensis, 49:524
Cervus elaphus, 45:480; 49:524
Chalinolobus tuberculatus, 48:487
Mystacinus tuberculatus, 48:487
Oryctolagus cuniculus, 50:382
Zalophus, 42:584
Nicaragua:
Caluromys derbianus, 48:678; 49:320

faunal list, bats, 45:375; rodents, 50:643
Nyctomys sumichrasti, 50:37
Ototylomys phyllotis, 50:40
Philander, 50:345
Uroderma bilobata, 49:680, 695
Nixon, C. M., R. O. Beal, and R. W. Donohoe:
Gray squirrel litter movement, 49:560
Noctifelis, 45:330
Noctilio:
labialis, 41:197; 50:370; repro., foraging, 49:310; act., 49:755
labialis albiventris, Colombia, 44:170, 263
labialis minor, Costa Rica, Honduras, Nicaragua, 45:375
leporinus, speed, 45:236; Trinidad, echolocation, sounds, 48:79; foraging, repro., 49:310; act. patt., 49:755; Hisponiola, 50:133
leporinus mastivus, Puerto Rico, fos., 49:402
leporinus mexicanus, Mexico, distr., 42:536; Mexico, Nicaragua, 45:375
Nodus densirostris, Midway Islands, 44:422
Nomadism, Lemmus, 43:178
Nomenclature, report of committee, 41:537
Nomogram, Potorous, age determination, 41:448
Norberg, U. M.:
An arrangement giving a stiff leading edge to the hand wing in bats, 50:766
Norman, F. I., and R. V. Baudinette:
Water economy and salt balance of an insular population of Rattus rattus Linnaeus, 50:487
Norris, K. S.:
Correction, 43:261
(see Eberhardt, R. L.)
(see Pryor, T.)
North America, mammal collections, 44:471
North Atlantic, Phocoena phocoena, 50:721
North Borneo, Hipposideros cineraceus, H. dyacorum, Megaderma spasma, 48:667
North Carolina:
Blarina brevicauda, 49:539
Blarina telmalestes, 46:496
Clethrionomys gapperi, 44:581; 48:670; 49:539
faunal list, 49:539
Lasiurus, 41:394
Mephitis mephitis, 45:643; 49:539
Microsorex hoyi, 49:331
Microtus pennsylvanicus, 48:310
Mustela nivalis, 48:488
Myocastor, 42:269
Myotis austroriparius, 49:116
Myotis grisescens, 50:370
Myotis leibii, 48:142
Myotis lucifugus, 49:116
Neotoma, 46:499
Ondatra, 42:268
Parascalops, 44:580
Peromyscus leucopus, 48:670; 49:539
Peromyscus maniculatus, 48:670; 49:539
Pitymys, 45:485
Procyon, 42:270
Sciurus carolinensis, 48:141, 328
Sigmodon hispidus, 50:810
Sorex, 44:581; 46:499
Sylvilagus floridanus, 42:254
Sylvilagus transitionalis, 44:581; 49:539
Synaptomys, 44:581
Tamiasciurus, 44:581
Trichechus, 41:521
North Dakota:
albino mammals, 43:269
Citellus, 43:107
Citellus richardsonii, 47:323
fur trapping, 50:838
Microtus pennsylvanicus, 49:773
Myotis, 43:263
Myotis evotis, 48:235
Myotis keenii, 50:737
Taxidea taxus, 44:265; 48:323
Vulpes, 44:265
North Pacific, Phocoena phocoena, 50:721
Northern Rhodesia:
Anomalurus, 43:310
Litocranius, 46:54
Mus, 41:405
Papio, 44:24
Pedetes, 43:310
Thryonomys, 43:310
Northwest Territories:
Bison, 42:553
Callorhinus, 41:277
Canis, 43:270
Odobenus rosmarus, 46:104
Rangifer, 42:550
Norton, R. M.:
(see Barr, T. C., Jr.)
Nostril development, Potorous, 41:449
Notiosorex:
crawfordi, Sonora, 41:282; Sinaloa, distr., ecol., 42:120; Okla., distr., ecol., wt., meas., 44:268; N. Mex., cave deposits, 46:209; repro., 46:330; distr., 46:496; distr., ecol., meas., 47:344; Colo., 48:322; Ark., 50:641
crawfordi crawfordi, Okla., 42:235; Nev., 44:582
crawfordi evotis, Mexico, distr., 43:283
evotis, tax., 47:345
gigas, Guerrero, distr., 44:424
Notolagus, 44:9
Novak, M. A., and L. L. Getz:
Aggressive behavior of meadow voles and pine voles, 50:637
Nova Scotia:
Alces alces, 49:325
Microtus pennsylvanicus, 48:579
Myotis, 46:528
Pipistrellus, 46:528
Phocoena phocoena, 50:654
Novick, A.:
A small collection of bats from Angola, 41:395
Two new records for macroglossine bats, 41:395
Successful breeding in captive Artibeus, 41:508
Orientation in Neotropical bats. I. Natalidae and Emballonuridae, 43:449
Orientation in Neotropical bats. II. Phyllostomatidae and Desmodontidae, 44:44
(see Henson, O. W., Jr.)

Nuevo León:
Leptonycteris nivalis, 47:330
Myotis, 41:16
Nyasaland:
Beamys, 43:238
Lophuromys, 45:345
Papio, 44:24
Nyctalus, partu., 41:184; Bulgaria, U. S. S. R., migr., 45:152; speed, 45:236; noctula, 47:353
Nycteris:
luteola, 41:184
thebaica, Mozambique, 46:256; Mozambique, 49:118
vinsoni, Mozambique, 46:256; 49:118
Nycteroides, comp., 43:461
Nycticebus coucang, Malaya, 48:497
Nycticeius, Ark., 45:152
humeralis, 50:141, 373, 729; Ark., 41:526; 45:152; Mo., nursery colony, 46:498; distr., roosts, 47:128; Iowa, distr., ecol., 47:341; Miss., wing loading, growth, develop., sex dimorphism, repro., pel., flight, dent., 48:1; Ark., roosts, sex ratio, 48:131; banding, homing, roosts, 48:136; karyo., 48:271; growth, 49:48; fat deposits, 49:314; migr., 49:329
humeralis humeralis, Ky., distr., 44:122
Nyctimene, comp., 42:531
cephalotes, Celebes, bacu., 43:41
Nyctomys sumichrasti, 50:37; Vera Cruz, ecol., 44:582; growth, develop., behav., 46:181
Nygren, L. R.:
Unusual feeding behavior of fur seal pup, 44:123

O

Oaxaca:
faunal list, 41:413; 42:120; bats, 47:125
Lasiurus, 45:461
Leptonycteris sanborni, 47:331
Microtus oaxacensis, 48:320
Peromyscus, 42:3, 13
Ochotona, 47:208; as fd., 42:516
daurica, 47:210
hyperborea, Japan, hab., 41:201
pricei, 47:210
princeps, 41:232; 49:759; apocrine gls., 41:213; Colo., distr., repro., 48:311; Mont., distr., ecol., 50:582
pusilla, 47:210
roylei, 47:210
tibetana, 47:210
Ochrotomys, 41:276; 42:103; 48:637; comp., 41:493
nuttalli, 42:104; Tex., nest, 45:369; S. C., 46:4; lit. size, 47:546; repro., 48:445; Ga., 48:670; N. C., 49:539
nuttalli nuttalli, 48:445; molt, 48:236
Odobenus, 44:281; 48:143; sounds, 50:727
rosmarus, distr., pop., range, 41:499; Pribilof Is., hist., 43:68; Northwest Territories, 46:104; morph., 48:144
rosmarus divergens, 42:224; Siberia, dent. anom., 45:490; abnorm. limb, tusk meas., 47:115; Canada, distr., tax., ecol., evol., 47:506
rosmarus rosmarus, Quebec, distr., 41:499; Canada, distr., tax., ecol., evol., 47:506
Odocoileus, 41:545; nomenclature, 41:537; behav., 42:522; antler, pedicle develop., 45:61
hemionus, 42:94, 112, 116; 44:83; 49:524; 50:648, 837; Mont., 42:112; urinary calculi, 43:268; morph., 45:48; Colo., fat, 45:252; Colo., teeth, 45:315; Colo., 45:319; Ariz., 45:322; rumen-reticulum, 46:196; distr., 47:122
hemionus columbianus, 49:151; Vancouver Is., Calif., behav., 42:522; behav., 43:462, 540; capt. mort., 46:707
hemionus crooki, N. Mex., 45:48
hemionus hemionus, Neb., distr., 42:94; British Columbia, behav., 42:522; N. Mex., 45:48; Nev., 45:397; Neb., teeth, 46:528; dent., histol., emb. morph., 47:640
hemionus sitkensis, Alas., behav., 42:522; Alas., growth, 45:226
virginianus, 49:148, 344, 524; 50:98, 837; photoperiod, antler develop., growth, 41:23; Ind., 41:261; Ala., vitamins, 41:410; Oaxaca, 41:414; Me., 41:416; antlered doe, 41:521; Penn., 42:117; Mich., repro., 42:426; dent., 42:551; Minn., death, 42:553; R. I., 43:266; Ontario, 43:414; Mass., 43:429; behav., 43:462; hybrid, 43:540; Virgin Is., prey, 43:544; metatarsal gl., 45:52; castration, 45:66, 319, 617; placental ingest., parturant mort., 46:107; Fla., dent., 46:348; teeth, 46:528; distr., 47:122; pel., 47:154; gls., 47:266; Minn., 47:347; Ont., behav., 48:146; Minn., hypothermia, 48:655; Tex., repro., 48:674; blood, 49:748; antigens, 50:137; antlers, 50:156; Nova Scotia, New Brunswick, adap. for snow, 50:302
virginianus borealis, Me., Mich., breed., fecundity, 43:112; Mich., anom., 41:411; 44:79; N. Y., 45:62; antler, 49:522
virginianus couesi, 42:116; Ariz., distr., 45:323
virginianus ochrourus, British Columbia, 42:522; hybrid, 43:540; Idaho, fd., 44:284; Calif., Ore., Nev., distr., 44:519; abnorm. antler, 46:108
virginianus texanus, Tex., soc. behav., 46:314; abnorm. dent., 46:352; Tex., anom., 47:711
Odor, Dirias, Tadarida, 41:396
Odum, E. P.:
(see Gentry, J. B.)
(see Wood, J. E.)
Oesch, R. D.:
Fossil Felidae and Machairondontidae from two Missouri caves, 50:367
O'Farrell, M. J., and W. G. Bradley:
A new bat record, Plecotus phyllotis, from Nevada, 50:128
(see Bradley, W. G.)

O'Farrell, T. P.:
Home range and ecology of showshoe hares in interior Alaska, 46:406
The rabbits of Middleton Island, Alaska, 46:525
(see Cosgrove, G. C.)
O'Gara, B.:
Horncasting by female pronghorns, 50:373
Ogilvie, D. M., and R. H. Stinson:
Temperature selection in Peromyscus and laboratory mice, Mus musculus, 47:655
Ogmodontomys, 44:13
Ognev, S. I.:
Translations of works, 44:298
Ohio:
Blarina, 42:497; 46:44
Eptesicus fuscus, 49:775
faunal list, 46:45
fur trapping, 50:837
Microtus pennsylvanicus, 46:45; 49:774
Myotis, 42:400
Peromyscus, 42:494; 46:45
Plecotus, 43:108
Rangifer tarandus, 47:325
Sciurus carolinensis, 49:560
Sorex, 42:96; 46:45
Tadarida brasiliensis, 41:117
Oil disposal effect, rodents, 42:555
Ojasti, J.:
Notes on the mating behavior of the capybara, 49:534
Okapi, 41:282; johnstoni, antigens, 50:137
Oklahoma:
Antrozous bunkeri, 41:10
Citellus tridecemlineatus, 47:346
Corynorhinus, 45:301
Didelphis, 42:397
Dipodomys, 42:337
Euceratherium, 44:584
faunal list, 42:234; 45:640
Felis concolor, 50:371
Marmota, 42:255; 43:271
Myotis austroriparius, 48:646
Myotis grisescens, 48:284
Notiosorex crawfordi, 44:268; 46:330; 50:641
Onychomys, 46:242
Oryzomys palustris, 41:130
Otospermophilus, 42:477
Pipistrellus subflavus, 48:255
Sigmodon, 42:337; 43:269; 46:471, 514
Tadarida, 41:119, 322; 44:560; 45:300; 46:518
Tadarida brasiliensis, 47:131, 383; 50:357
Zapus, 44:248
Oldenberg, T.:
(see Stones, R. C.)
Olfaction:
mice, adrenocortical responses, 50:839
Peromyscus maniculatus, 48:147
Oligocene, Rhinocerotoidea, 47:631
Oligotomus, 41:113
Olsen, R. W.:
Gestation period in Neotoma mexicana, 49:533
Agonistic behavior of the short-tailed shrew (Blarina brevicauda), 50:494
Olsen, S. J.:
Additional remains of Florida Pleistocene vampire, 41:458
(see Ray, C. E.)
Olson, L. E.:
(see Fleharty, E. D.)
Ommatophoca rossi, Antarctica, pop., 43:229
Onager, 43:207
Ondatra, 47:229; as fd., 48:557; bacu., 49:40
zibethica [*sic*], 42:269
zibethicus, 49:442; 50:99, 837; Ind., 41:260; dent., 41:336; Penn., 42:117; wt., temp., 43:65; Kan., yellow mutant, 43:104; Mo., age, 43:144; R. I., 43:266; Wyo., 44:131; France, Brittany, 44:574; fd., 45:147; genital struct., 45:493; gls., 46:32; Ont., 46:354; Ore., distr., 46:669; Alberta, in hare runways, 47:541; Tenn., ectopar., 48:40
zibethicus macrodon, N. C., 42:268
zibethicus mergens, Calif., distr., 45:480
Ontario:
Castor canadensis, 50:134
Lasionycteris, 42:540
Lasiurus, 42:540
Mephitis, 43:432
Microtus chrotorrhinus, 43:420
Microtus pennsylvanicus, 44:467
Mus musculus, 47:733
Odocoileus virginianus, 43:414; 48:146
Peromyscus, 46:336; 47:261
Peromyscus leucopus, 47:655
Peromyscus maniculatus, 47:655
Vulpes, 48:219
Onychomys, teeth, 47:614; diagnosis of subsp., 47:616; behav., 50:803
leucogaster, 45:604; 47:523; Utah, hab., repro., behav., senses, voice, mort., fd., 41:275; Colo., 42:174; voice, 42:263; Wyo., 44:129; fd., 45:513; gls., 46:32; burrows, 46:241; molt, 46:338; hab., distr., 47:118; Ariz., distr., tax., 47:613; bacu., 47:617; sugar pref., 48:324; home range, 49:485; occur., 49:757; Saskatchewan, 50:296
leucogaster breviauritus, behav., 49:481; develop., 49:514; repro., 49:658
leucogaster brevicaudus, 49:305, 644; gest., develop., 49:513
leucogaster capitulatus, syn., 47:622
leucogaster fuliginosus, Ariz., disc., tax., distr., 47:622
leucogaster fuscogriseus, 49:305; repro., 49:153, 655; develop., 49:514
leucogaster leucogaster, 44:75
leucogaster melanophrys, Ariz., tax., desc., distr., 47:625; develop., 49:514
leucogaster pallescens, Ariz., tax., desc., distr., 47:620
leucogaster ruidosae, N. Mex., hab., 41:275; Ariz., tax., desc., distr., 47:624; develop., 49:514
leucogaster utahensis, 49:305; Utah, color, 44:74; gest., 49:513; repro., 49:655
torridus, 44:75; 49:19, 513; Calif., 41:391; Ariz., type loc., 41:515; Nev., hab., disper., move., 44:195; Calif., ecol., 45:

212; fd., 45:513; Ariz., tax., distr., 47: 613; bacu., 47:617; repro., lit. size, gest., 49:303; home range, 49:485
torridus arenicola, syn., 47:626
torridus longicaudus, 44:190; 50:804; Ariz., tax., desc., distr., 47:629; repro., 49:303; develop., 49:514; Nev., growth, repro., behav., 49:644
torridus perpallidus, syn., 47:627
torridus torridus, ecol., 47:345; Ariz., tax., desc., distr., 47:626
utahensis, Utah, hab. fd., par., 41:99
Orcinus, tax., 47:342
orca, 49:794; 50:723; Bahamas, desc., 42: 418; fd., 46:341; comp., 46:452; sounds, 48:573; encounter, 49:327; skin marks, 50:151; fd., 50:636
Oreamnos americanus, Wash., 42:280; behav., 45:551; Mont., distr., 50:600
americanus missoulae, Colo., fd., 48:242
Oregon:
Aplodontia rufa, 49:151
Clethrionomys occidentalis, 43:303
Enhydra, 44:415; 45:54
Eschrichtius glaucus, 42:108
Eumetopias, 47:195
Eutamias, 46:693
Lepus, 41:513
Lynx, 45:477
Mirounga angustirostris, 50:639
Mylagaulus, 47:407
Neotoma fuscipes, 50:43
Odocoileus, 44:519
Ondatra, 46:669
Perognathus parvus, 42:416
Peromyscus maniculatus, 42:416; 48:591
Phenacomys silvicola, 45:647
Spermophilus townsendi, 47:581
Spilogale putorius, 48:606
Tadarida, 42:404
Tapirus, 45:58
Taxidea taxus, 48:323
Thomomys bulbivorus, 49:545
Thomomys talpoides, 41:474
Vulpes, 48:219
Oreonax, 44:214, 242
Orientation:
Balantiopteryx, 43:449
Citellus tridecemlineatus, 47:315
Emballonuridae, 43:449
Natalidae, 43:449
Neotropical bats, 41:508; 43:449; 44:44
Peromyscus, 44:338
Vespertilionidae, 43:449
Øritsland, N. A.:
Deep body temperatures of swimming and walking polar bear cubs, 50:380
Orkney Islands, Lasiurus, 45:461
Ornithorhynchus, gls., 46:34
Orr, H. D.:
Behavior of translocated white-footed mice, 47:500
Orr, R. T.:
A northern record for the Pacific bottlenose dolphin, 44:424
An extension of the range of Merriam's desert shrew, 44:424
The rough-toothed dolphin in the Galapagos Archipelago, 46:101
Longevity in Pizonyx vivesi, 46:497
Cuvier's beaked whale in the Gulf of California, 47:339
Risso's dolphin on the Pacific coast of North America, 47:341
The Galapagos sea lion, 48:62
A second specimen of Ziphius cavirostris from Mexico, 48:328
An additional record of Phocoena sinus, 50 384
Orthogeomys, grandis, Jalisco, 50:748
Orycteropus, Tanganyika, hab., 41:166
afer, dens, 47:134; Mozambique, 49:120
Oryctolagus cuniculus, 48:117; 29:759, 786; tooth patt., 44:1; Alas., pop., 46:525; gas conc. in burrows, 47:723; New Zealand, fd. dyes, 50:382
Oryx, 43:78, 98
beisa, 46:56; East Africa, wt., 43:78
gazella, capt., yg., growth, behav., 43:98
Oryzomys, comp., 41:494; abnorm. dent., 47: 709
alfaroi caudatus, 48:321
caliginosus chrysomelas, Honduras, 50:643
couesi, gls., 46:32
flavescens, Argentina, 46:99
palustris, 45:598; 50:37, 639; Okla., distr., 41:130; Va., phs., meas., 41:516; S. C., 46:4; gls., 46:32; Tenn., ectopar., 48:40; Ga., fd., ecol., 48:557; Ala., pop., ecol., 50:609
palustris palustris, 45:605
palustris texensis, 45:602; Okla., distr., 41: 130
Os clitoridis:
Eutamias townsendii, 49:764
Lutra canadensis, 49:41
Microtus, 42:102
Napaeozapus insignis, 47:127
Procyon lotor, 49:41
Sciurus niger, 41:40
Taxidea taxus, 49:41
Zapus hudsonius, 47:127
Os penis, 43:257
Osborn, D. J.:
Two new distributional records from Thrace, 42:105
Rodents of the subfamily Microtinae from Turkey, 43:515
Notes on the moles of Turkey, 45:127
O'Shea, T.:
(see Woolf, A.)
Osteoborus progressus, 44:13
Osteology, Paraechinus micropus, Hemiechinus auritus, 46:211
Osterberg, D. M.:
Activity of small mammals as recorded by a photographic device, 43:219
Ostwald, R.:
(see Wilken, K. K.)
Otaria, 48:144
Otocyon, 41:353; distr., dent., fd., 43:461; teeth, 45:284
megalotis, 43:455
Otomys, 46:648

Otonyctomys hatti, Guatemala, hab., distr., 46:335
Otospermophilus, Okla., Kan., 42:477; teeth, 50:608
Ototylomys:
brevirostris affinis, syn., 50:30
connectens, syn., 50:30
phyllotis, tax., 50:36
Ourebia ourebia hastata, Mozambique, 46:261
Ovaries, Cervus elaphus, 47:152
Ovibos moschatus, speed, 41:112; Greenland, distr., pop., 45:1
Ovibovinae, Fla., Pleist., 44:383
Ovis, Great Basin, Pleist., 50:805
ammon, 47:210, 218; 50:805
aries, 41:523; 44:117; 50:93, 648; Ontario, 46:355
canadensis, 41:523; 42:94, 116; 46:686; 49:770; 50:805, 838; Neb., distr., 42:94; Ariz., lambing, 44:433; Nev., move., abnorm. color, 46:352; behav., 50:128
canadensis canadensis, Mont., growth, 44:116; Mont., fetal meas., milk, 46:524
canadensis mexicana, Ariz., fetal meas., comp., 46:524
canadensis nelsoni, Nev., ecol., 45:397
catclawensis, 50:805
dalli, 50:805
dalli stonei, 45:551
musimon, 41:523
nivicola, 50:805
orientalis, 47:210
Oxyacodon, 46:395
Oxygen consumption:
Acomys cahirinus, 50:248
Acomys russatus, 50:248
Microtus montanus, 49:215
Ozment, J.:
(see Stains, H. J.)
Ozoga, J. J., and E. M. Hanger:
Occurrence of albino and melanistic coyotes in Michigan, 47:339
(see Moran, R. J.)

P

Pachyceros, 50:805
Pacific:
Eschrichtius, 46:504
Monachus schauinslandi, 50:841
Stenella, 44:586
Pacific Islands, mammal coll., 44:471
Packard, G. C.:
Oxygen consumption of Microtus montanus in relation to ambient temperature, 49:215
Packard, R. L.:
Range extension of the hooded skunk in Texas and Mexico, 46:102
Myotis austroriparius in Texas, 47:128
(see Crain, J. L.)
Packard, R. L., and H. Garner:
Arboreal nests of the golden mouse in eastern Texas, 45:369
Packard, R. L., and F. W. Judd:
Comments on some mammals from western Texas, 49:535
Packer, W. C.:
Wheel-running behavior in the marsupial Sarcophilus, 47:698
Eosinophils and population density in the marsupial Setonix, 49:124
Observations on the behavior of the marsupial Setonix brachyurus (Quoy and Gaimard) in an enclosure, 50:8
Padyrula, H. A.:
(see Horner, B. E.)
Pagels, J.:
(see Jones, C.)
Pagophilus groenlandicus, 46:41; 47:469
Pakistan:
Apodemus, 50:470
Hyperacrius, 50:457
Mus musculus, 47:733
Paraechinus micropus, 47:660
Pal, B. C.:
(see Louch, C. D.)
Palaeolagus, 44:4
Palau, Pteropus pelewensis, 49:758
Palenochtha, 46:394
Palmateer, S. D.:
(see Howard, W. E.)
Palmer, J.:
(see Di Salvo, A. F.)
Palustrimus lewsi, 50:816
Pampatherium, 50:122
Pan, 47:177
niger, temp., 43:167
satyrus paniscus, 41:112
Panama:
Anoura cultrata, 47:231
Eumops, 45:495
Macrophyllum, 44:588
mammal coll., 44:471
Molossus, 45:495
Rheomys spp., 49:552
Saccopteryx, 45:375
Tonatia, 45:375
Trachops cirrhosus, 48:319
Uroderma bilobatum, 49:695
Uroderma magnirostrum, 49:680
Pannonictis, dent., 48:294
Panthera, 47:177
leo persica, West Pakistan, 48:403
pardus, 48:200
tigris, West Pakistan, 48:403
Pantholops hodgsoni, 49:769
Pantolestes brachystomus, 49:297
Panuska, J. A., and N. J. Wade:
Captive colonies of Tamias striatus, 41:122
Papio:
anubis, nomen., 41:402
cynocephalus, subsp., Africa, tax., 44:24
dogura, longev., 41:114
ochreatus, 41:112
ursinus griseipes, Mozambique, 46:259
Pappaceras, dent., 47:634
Pappogeomys bulleri, P. gymnurus, P. tylorhinus, Jalisco, distr., ecol., syst., 50:748
Paraceratherium, dent., 47:635
Paracricetodon exiguus, Neb., fos., 49:529
Paracrocidura schoutedeni, 41:113
Paradiso, J. L.:
Size variation in the rice rat, 41:516

The type locality of Tamias striatus fisheri, 44:579
Paradiso, J. L., and D. Schierbaum:
Recent wolf record from New York, 50:384
Paradoxurus hermaphroditus, hearing, 50:567
Paraechinus micropus, India, breed., 41:386; India, anat., 42:365; birth, develop., 42: 398; Pakistan, 47:660
micropus micropus, ost., muscle, 46:210
Paragenetta, 45:474
Paraguay:
Artibeus lituratus, 47:235
Calomys, 41:518
Parahydromys asper, phallic morph., 49:616
Paraleptomys wilhelmini, phallic morph., 49: 613
Paramylodon, 50:122
Paramys, tooth number, 50:609
atavus, 46:280
Paranyctimene, comp., 42:531
Parapedetes, 46:422; dent., 43:310
Parascalops breweri, 47:240; 49:133; Penn., 42:117; N. C., 44:580; Vt., 45:627
Parasites:
Alces alces, 48:668
Beamys, 43:247
Blarina brevicauda, 47:192
Canis, 43:110
Eutamias, 46:501
Holochilus sciureus, 46:98
Leptonychotes weddelli, 47:320
Marmosa, 43:111
Mustela vison, 44:261
Napaeozapus, 44:316; 45:149
Onychomys, 41:99
Ototylomys phyllotis, 50:38
Peromyscus, 42:383; 45:31
Peromyscus leucopus, 45:149; 48:38; 50: 277
Phoca vitulina, 46:104
Procyon lotor, 49:69
Rattus exulans, 48:649
Rattus rattus, 48:469
rodents, Cuterebra, 48:40
Sorex, 47:192
Sorex araneus, 50:331
Stenella plagiodon, 41:134
Sylvilagus floridanus, 47:528
Sylvilagus palustris, 47:527
Talpa, 45:31
Paraxerus:
cepapi cepapoides, Mozambique, 46:263
emini, Uganda, 44:128
sponsus, Mozambique, 49:121
Parker, G. R.:
(see Miller, F. L.)
Parmalee, P. W.:
A prehistoric record of the fisher in Georgia, 41:409
A prehistoric occurrence of porcupine in Alabama, 44:267
(see Guilday, J. E.)
Parmalee, P. W., R. A. Bieri, and R. K. Mohrman:
Mammal remains from an Illinois cave, 42: 119
Paroxyclaenus lemuroides, comp., 46:389
Parsons, M. A.:
(see Abbott, H. G.)
Parturition:
Allenopithecus, 43:265
Antilocapra americana, 47:708
Antrozous pallidus, 50:734
Erinaceus, 42:398
Hemicentetes, 47:667
Hemiechinus, 42:398
Marmota flaviventris, 50:756
Myotis, 46:303
Myotis keenii, 49:770
Myotis lucifugus, 41:183
Neotoma, 46:340
Odocoileus virginianus, 46:107
Paraechinus, 42:398
Phoca vitulina, 48:677
Spilogale putorius, 49:384
Stenoderma rufum, 47:352
Vulpes vulpes, 47:116
Paruromys, 41:113
Patagonia, coll., 44:471
Patric, E. F.:
Reproductive characteristics of red-backed mouse during years of differing population densities, 43:200
Patterson, A. P., and J. W. Hardin:
Flight speeds of five species of vespertilionid bats, 50:152
Patterson, I. G.:
(see Tinkle, D. W.)
Pattie, D. L.:
(see Hoffmann, R. S.)
Patton, J. L.:
Chromosome studies of certain pocket mice, genus Perognathus (Rodentia: Heteromyidae), 48:27
(see Baker, R. L.)
(see Nelson-Rees, W. A.)
Patton, J. L., and R. E. Dingman:
Chromosome studies of pocket gophers, genus Thomomys. I. The specific status of Thomomys umbrinus (Richardson) in Arizona, 49:1
Patton, J. L., and T. C. Hsu:
Chromosomes of the golden mouse, Peromyscus (Ochrotomys) nuttalli (Harlan), 48:637
Patton, T. H.:
Fossil remains of southern bog lemming in Pleistocene deposits of Texas, 44:275
A new genus of fossil microtine from Texas, 46:466
Paul, J. R.:
Second record of an albino pine vole, 45: 485
Blarina telmalestes in North Carolina, 46: 496
Risso's dolphin, Grampus griseus, in the Gulf of Mexico, 49:746
Pawluck, J. T.:
(see Martin, R. L.)
Payne, J. A.:
(see Dunaway, P. B.)
Peacock, D., and R. Peacock:
Peromyscus maniculatus bairdii in Virginia, 43:98

Peacock, R., and D. Peacock:
The harvest mouse in northern Virginia, 42:543
Pearson, E. W.:
Bats hibernating in silica mines in southern Illinois, 43:27
Pearson, O. P.:
Habits of harvest mice revealed by automatic photographic recorders, 41:58
Survival value of vibrissae, 43:105
Carnivore-mouse predation: an example of its intensity and bioenergetics, 45:177
Pecari, 50:121
tajacu, milk, 42:245; Ariz., gest., 42:425; milk, 44:112; milk, 47:542
Pedersen, R. J., and J. Stout:
Oregon sea otter sighting, 44:415
(see Kuhn, L. W.)
Pedetes, 50:5
caffer, North Rhodesia, dent., 43:310; South Africa, teeth, 46:419
capensis, Mozambique, 46:263
Pekelharing, C. J.:
Molar duplication in red deer and wapiti, 49:524
Pelage:
Antrozous pallidus, 50:730
Crocuta, 46:503
Dipodomys stephensi, 48:626
Lemmus, 45:490
Lepus, 44:420
Lynx, 45:38
Marmota, 41:514
Mustela erminea, 43:323
Mustela rixosa, 41:519
Mustela vison, 46:551
Myotis, 41:526
Nycticeius humeralis, 48:5
Odocoileus, 44:90
Ovis, 41:523
Pappogeomys, 50:753
Procyon lotor, 49:142
Sciurus, 41:514
Tamias, 41:514
Vulpes vulpes, 49:526
Pelomys fallax australis, Mozambique, 46:263
Pelton, M. R.:
The relationship between epiphyseal groove closure and age of the cottontail rabbit (Sylvilagus floridanus), 50:624
Pengelley, E. T., and K. C. Fisher:
Locomotor activity patterns and the relation to hibernation in the golden-mantled ground squirrel, 47:63
Ability of the ground squirrel, Citellus lateralis, to be habituated to stimuli while in hibernation, 49:561
Penis:
Mirounga leonina, 47:731
Scotinomys, 41:492
Penner, L. R.:
(see Wetzel, R. M.)
Pennsylvania:
Blarina brevicauda, 50:272
Eptesicus fuscus, 49:775, 779
Erethizon dorsatum, 42:545
faunal list, 42:117
Marmota, 42:297; 43:425; 44:115; 46:439
Microtus pennsylvanicus, 47:1; 49:773
Myotis, 49:779
Myotis subulatus, 47:121
Peromyscus leucopus, 48:599
Peromyscus maniculatus, 48:599; 50:823
Pipistrellus subflavus, 49:779
Plecotus, 42:402
porcupine, 42:545
Vulpes, 44:115
Penny, D. F.:
(see Bridgwater, D. D.)
Pentacemylus, 46:394
Pentalagus, 44:6
Penthetor lucasi, Borneo, bacu., 43:40
Perez, G. S. A.:
Notes on Palua fruit bats, 49:758
Perkins, E.:
(see Machida, H.)
Perodicticus potto, fd., gls., insect attractants, 47:156
Perognathus, 42:116, 386; 48:637; 49:19, 303, 764; Ariz., phys., 41:407; wt. changes, 46:110; comp., 46:490
amplus, gls., 46:31
apache, Colo., 48:322
artus, 46:31; syst., karyo., 48:27
bailey, 49:319; Sonora, 41:282; lability, 46:484; syst., karyo., 48:27; abnorm. color, 48:493; water loss, 50:519
californicus, 48:544; 49:242, 336; Calif., 41:391; repro., 44:61; gls., 46:31; metab., 46:478; repro., 47:412; 49:570
fallax, Calif., 45:212; repro., 47:421
fallax pallidus, karyo., 48:32
fasciatus, Saskatchewan, 50:296
fasciatus infraluteus, 49:524
fasciatus olivaceogriseus, Colo., 49:524
flavescens, S. D., hiber., 42:103; fd., hiber., 43:532; distr., hab., 47:118; Mo., 48:479; N. Mex., 49:771
flavescens copei, N. Mex., 49:757
flavus, 49:336; Sonora, 41:282; N. Mex., fd., 43:278; repro., 44:61; hab., distr., 47:118; repro., 47:412; lab. mating, 49:570
formosus, 47:416; 48:34; Nev., hab., move., trapping, 44:198; Nev., 45:310; Nev., metab., 46:478; repro., 47:421; life span, 48:537; disper., 49:272
formosus incolatus, 49:319
formosus mohavensis, 44:190; Nev., alb., 41:415
goldmani, Sonora, syst., karyo., 48:27
hispidus, 45:602, 607; 46:31, 245; 49:482; hypothermia, behav., 43:529; syst., karyo., 48:27
hispidus paradoxus, distr., ecol., 47:345
hispidus spilotus, Okla., 42:238
hispidus zacatecae, distr., 47:345
inornatus, Calif., metab., 46:477
intermedius, syst., karyo., 48:27; comp., 48:366
intermedius intermedius, Chihuahua, 42:281
longimembris, 43:529; 48:631; 49:336; Nev., hab., move., trapping, 44:198; Calif., ecol., 45:211; Nev., 45:302;

Calif., Nev., metab., 46:478; Calif., nest, repro., breed., 47:214; life span, 48:537; Nev., home range, 49:104; disper., 49:272; lab. repro., 49:570
longimembris panamintinus, Nev., ecol., 45:397
merriamii, 49:771
nelsoni nelsoni, ecol., 47:345
parvus, Ore., homing, 42:411; gls., 46:31; repro., 49:336; Mont., distr., 50:589
parvus olivaceus, Nev., ecol., 45:397; Ida., molt, 50:284
penicillatus, 44:61; lability, 46:484; subsp., syst., karyo., 48:27; subsp., rev., tax., 48:361; Ariz., repro., 49:570
pernix, Sinaloa, syst., karyo., 48:27
spinatus evermanni, color, 48:214
spinatus spinatus, Nev., 45:301
Peromyscus, 42:282, 386; 43:223; 44:283; 47:147, 696; 49:19, 122, 308; entepicondylar foramen, 41:276; Ariz., Sonora, 41:305; pop. ranges, marking, 41:433; Fla., 41:438; metab., 41:445; behav., 42:159; N. Y., pop., 43:201; fd., 43:365; behav., 43:531; gls., 44:541; S. C., compet., home range, hab., nest select., repro., behav., fd., water consumption, 45:12; S. C., pop. dynamics, spatial relationships, home range, repro., 45:95; par., 45:149; Calif., 45:181; Vt., 45:627; par., 46:98; karyo., 47:261; sugar pref., 48:324; bacu., 49:33; home range, 49:92; Ark., 49:530; hybrid, 50:503; heterosis, 50:510; dent., 50:646; serum, 50:650; behav., 50:803
antiquus, comp., 43:484
banderanus, ost., 41:276; Mexico, distr., 43:108
baumgartneri, comp., 43:484
boylii, 41:482; 45:598, 605, 613; 48:47, 111, 210; 50:501; N. Mex., ost., 41:276; anat., 42:104; Michoacan, distr., 42:121; Mexico, distr., 43:109; Mo., repro., 45:260; molt, 48:238; sera, 49:420
boylii attwateri, Okla., 42:238; Mo., ecol., 45:189; Mo., ecol., longev., pop. dynamics, home range, 45:463; blood, 45:603
boylii levipes, 46:692
boylii rowleyi, Nev., ecol., 45:397
bullatus, 42:1
californicus, 49:500, 657; ost., 41:276; Calif., 41:391; comp., 43:484; sera, 47:420; behav., 49:485
californicus insignis, 50:507
collatus, 48:637
crinitus, 45:605; 50:501; ost., 41:276; comp., 41:493; anat., 42:104; Calif., repro., 42:289; Ida., comp., 43:484; sera, 49:420; water loss, 50:519
crinitus auripectus, 45:602
crinitus pergracilis, ecol., gest., life hist., yg., 45:387
crinitus stephensi, Nev., ecol., hab., 45:403
difficilis, ost., 41:276; subsp., desc., distr., 42:1; sera, 49:420
difficilis comanche, Tex., 49:537
eremicus, 48:210; ost., 41:276; Sonora, 41:283; Ariz., compet., 41:306; Ariz., hab., 41:517; anat., 42:104; Ariz., Mex., bacu., comp., distr., tax., 44:201; Calif., 45:212; sera, 49:420; Calif., Baja California, develop., repro., ecol., life hist., 49:495; behav., 49:657; water loss, 50:253; biosyst., 50:501
eremicus anthonyi, 46:497
eremicus eremicus, 48:213; Nev., ecol., 45:397
eremicus eva, 48:213
evides, Mexico, 41:391
floridanus, 48:46; 49:564; ost., 41:276; anat., 42:104; Fla., water relationships, 44:322; sera, 49:420
furvus, ost., 41:276
gossypinus, 45:277, 607; 47:53, 147; 48:49, 637; 49:564; 50:502; ost., 41:276; Fla., hab., pop., 41:438; anat., 42:104; Tex., 42:494; La., pop., 44:105; Va., distr., hab., 44:273; La., blood, 45:421; S. C., 46:4; molt, 48:238; gest., 48:447; sex ratio, 48:590; La., Tex., mating, 49:475; Ala., pop., ecol., 50:609
gossypinus megacephalus, Ark., distr., 46:100
guardia, Mexico, tax., repro., 48:210; Baja California, repro., 49:497; syst., 50:501
guardia guardia, behav., 49:500
guardia *harbisoni*, 48:215; 50:502
guardia interparietalis, 48:210
guardia mejiae, 48:210; 50:501; behav., 49:500
guatamalensis, ost., 41:276
hagermanensis, Ida., Pleist., comp., dent., 43:484
hylocetes, ost., 41:276
hylocetes hylocetes, 46:692
interparietalis, Mexico, repro., tax., 48:210; behav., 49:500; syst., 50:501
interparietalis interparietalis, behav., 49:500
interparietalis *lorenzi*, 48:216; 50:502; behav., 49:500
interparietalis *ryckmani*, 48:216; 50:502; Baja California, life hist., develop., ecol., repro., 49:495
irvingtonensis, comp., 43:484
kansensis, comp., 43:484
lepturus, Oaxaca, distr., 42:121
leucopus, 41:258; 42:391; 44:578; 45:149, 277; 47:147; 48:111; 49:482; 50:154, 502, 812, 822; ost., 41:276; act., 41:287; Md., environment, 41:438; Mich., pop., 42:25; Minn., phys., 42:43; anat., 42:104; Minn., winter range, 42:174; fd., 42:240; Mass., 42:263; Tenn., oil disposal effect, 42:555; Ill., 44:274; N. Y., fd., 44:418; N. Y., ectopar., 45:31; Mo., repro., 45:260; blood, 45:598; Ohio, 46:45; breed., 46:641; Ind., fd., 47:473; disper., move., translocation, 47:500; repro., 48:306; pred., 48:387; N. C., Ga., 48:670; bacu., 49:32; trap mort., 49:332; home range, 49:342; sera, 49:420; La., Tex., mating, 49:475; Conn., water bal., 49:520; N. C., 49:539; voice, 49:555; act., 49:569; N. Mex., 49:757; Mass., syst., 50:129; Conn., par., 50:277; photoperiod, 50:542; Mont., distr., 50:590; pop. dens., 50:777

leucopus ammodytes, 50:129
leucopus aridulus, 42:238
leucopus fusus, Mass., 50:129
leucopus leucopus, 48:637; Okla., 42:238; 45:608; Tenn., ectopar., 48:38; blood, 48:44; pop. dynamics, 48:49
leucopus noveboracensis, 42:238; 45:31, 603; 47:261; 48:41, 135; 50:129; phys., par., 42:57; Mich., fd., 42:262; Ohio, flood effect, 42:494; Mo., ecol., 45:189; Ontario, disper., swimming, 46:336; repro., 47:343; temp. select., 47:655; molt, 48:238; sex ratio, 48:590; adrenal wt., 48:598
leucopus texanus, 42:238; 48:637
maniculatus, 41:232, 257, 275; 42:386; 45:13, 276, 598; 47:147; 48:111, 322, 545; 49:133, 158, 582; 50:289, 501; Ariz., hab., 41:517; anat., 42:104; Colo., 42:173; Mich., wt., 42:274; Ore., homing, 42:426; New England, distr., 43:102; drinking, 43:345; Calif., salt toler., 43:416; comp., 43:484; British Columbia, Wash., aging, repro., sex ratio, 44:180; Nev., disper., hab., move., trapping, 44:195; New Brunswick, 44:278; Wyo., homing, orientat., 44:338; N. Y., ectopar., 45:31; Wyo., Colo., fd., 45:267; Colo., 45:299; Colo., blood, 45:421; Ark., 45:471; gls., 46:32; Ohio, 46:45; comp., 46:461; Utah, behav., 46:529; hab., distr., 47:118; distress call, 47:287; compet., 47:432; disper., 47:505; fd., behav., olfact., 48:148; N. C., 48:310; 49:539; sex differ., 48:456; Ga., N. C., 48:670; pop. den., 49:1; disper., 49:239; lit. size, 49:282; home range, behav., 49:485; vocalization, 49:555; behav., 49:657; Alberta, homing, 49:713; Saskatchewan, 50:296; olfact., 50:771; act., 50:811
maniculatus artemisiae, 44:181; British Columbia, 47:519; sera, 49:420; vocalization, 49:559
maniculatus austerus, 44:181
maniculatus bairdi, 42:35, 238; 45:189; 47:187, 261; 48:41, 135; 49:272, 774; 50:299, 811, 824; Mich., fd., 42:260; Va., distr., 43:98; vocalization, 47:287; crossbreed., 47:340; Ind., 41:257; Ind., fd., 47:473; temp. select., 47:655; emb., yg., 48:317; sex ratio, adrenal wt., 48:589; sera, 49:420; vocalization, 49:559; organ wts., 50:311
maniculatus eremus, Quebec, 43:510
maniculatus gambeli, 44:181; 48:637; vocalization, 49:557
maniculatus gracilis, 42:282; 45:32; 47:261; 48:41; 50:824; vocalization, 47:287; repro., 47:343; temp., select., 47:655; sex ratio, 48:590; sera, 49:420; Vt., water bal., 49:520; vocalization, 49:559
maniculatus hylaeus, sera, 49:420
maniculatus luteus, Okla., 42:238
maniculatus maniculatus, 47:261; Quebec, 42:282
maniculatus nebrascensis, 42:238; Wyo., 44:130
maniculatus nubiterrae, 45:32; karyo., 50:822
maniculatus osgoodi, 45:602
maniculatus ozarkiarum, Mo., distr., 44:424; Mo., ecol., 45:289; blood, 45:605
maniculatus rubidus, 47:201; sera, 49:420
maniculatus rubiscus, water bal., 49:521
maniculatus rufinus, blood, 45:603; sera, 49:420
maniculatus sonoriensis, 42:262; 44:75, 190; Nev., ecol., 45:397; behav., gen., 47:522; sera, 49:420
megalops, sera, 49:420
melanocarpus, 48:321
melanophrys, 48:637; ost., 41:276; Mexico, distr., 43:108
melanotis, 46:692; crossbreed., 47:340; molt, 48:239; sera, 49:420
merriami, Ariz., tax., comp., 41:305; Ariz., Mexico, tax., comp., bacu., distr., 44:201
mexicanus, ost., 41:276; Oaxaca, 41:415
nasutus, 42:1; ost., 41:276
nasutus griseus, syn., 42:8
nesodytes, comp., 43:484
nuttalli, ost., 41:276; anat., 42:103; Tex., 42:494; Tenn., oil disposal effect, 42:555; La., 44:105; La., blood, 45:421; Tenn., ectopar., hab., 48:38; sex ratio, 48:590
nuttalli flammeus, 45:603; Mo., distr., 44:424
ochraventer, Mexico, distr., hab., 46:337; sera, 49:420
oreas, British Columbia, Wash., age, repro., sex ratio, 44:180; periodontal disease, 47:519; sex ratio, 48:590
pectoralis, 45:199
pectoralis laceianus, Tex., 49:537
perfulvus, ost., 41:276
petricola, 42:9
pliocenicus, comp., 43:484
polionotus, 45:12, 603; 48:562; 50:630; longev., 41:113; ost., 41:276; hab., 41:438; anat., 42:104; homing, 45:276; S. C., 46:1; molt, 47:145; Ga., compet., pop. dynamics, mort., hab., burrows, 47:431; sex ratio, 48:590; sera, 49:420; Fla., repro., 49:457; fd., burrow associates, 49:562; S. C., fd., trap response, 50:368; Ala., pop., ecol., 50:609
polionotus leucocephalus, 42:26
polius, 42:1
saxicola, 42:10
sitkensis, anat., 42:104
stephani, 48:210
thomasi, sera, 49:420
thomasi cryophilus, 48:321
truei, 42:1; 48:322; 49:242; ost., 41:276; anat., 42:104; gls., 46:32; molt, 48:236; sera, 49:420
truei gentilis, ecol., 47:345
truei truei, Nev., ecol., 45:397
yucatanicus, 50:37; ost., 41:276
Peropteryx macrotis, Colombia, 44:170; Mexico, 45:375; Colombia, fd., 48:653; Guatemala, 49:517
Peroryctes longicauda, N. Guinea, hab., 47:721

Perrin, W. F.:
The barnacle, Conchoderma auritum, on a porpoise (Stenella graffmani), 50:149
Perry, A. E., and G. Beckett:
Skeletal damage as a result of band injury in bats, 47:131
Perry, A. E., and C. F. Herreid, II:
Comparison of the tooth-wear and lens-weight methods of age determination in the guano bat, Tadarida brasiliensis mexicana, 50:357
Peru:
Anoura caudifer, 47:230
Calomys, 41:518
Lagothrix, 44:227, 235
Macrophyllum, 44:588
Sigmodon hispidus, 50:810
Tursiops, 44:100
Uroderma bilobatum, 49:693
Uroderma magnirostrum, 49:680
Petaurus:
breviceps, 41:263; fd., 47:530; thermoreg., 50:556
norfolcensis, fd., 47:530; thermoreg., 50:556
Petersen, M. K.:
(see Baker, R. H.)
(see Heidt, G. A.)
Peterson, E. A., W. C. Heaton, and S. D. Wruble:
Levels of auditory response in fissiped carnivores, 50:566
Peterson, R. L.:
Notes on the distribution of Microtus chrotorrhinus, 43:420
The genus Vampyressa recorded from British Honduras, 46:676
Cryptotis mayensis recorded from British Honduras, 49:796
(see Fester, J. B.)
Peterson, R. S.:
The land mammals of Unalaska Island: present status and zoogeography, 48:119
(see Bauer, R. D.)
(see Flyger, V.)
Peterson, R. S., C. L. Hubbs, R. L. Gentry, and R. L. DeLong:
The Guadalupe fur seal: habitat, behavior, population size, and field identification, 49:665
Peterson, R. S., and A. Symansky:
First record of the Gaspé shrew from New Brunswick, 44:278
Petraborg, W. H., and V. E. Gunvalson:
Observations on bobcat mortality and bobcat predation on deer, 43:430
Petras, M. L.:
(see Reimer, J. D.)
Petrodromus tetradactylus beirae, Mozambique, 46:256
Petromus typicus typicus, Transvaal, dent., 43:310
Pettus, D., and R. R. Lechleitner:
Microsorex in Colorado, 44:119
Pfeiffer, C. J., and G. H. Gass:
Notes on the longevity and habits of captive Cryptotis parva, 44:427
Pfeiffer, E. W.:
Cyclic changes in the morphology of the vulva and clitoris of Dipodomys, 41:43
Phacochoerus aethiopicus, Tanganyika, hab., 41:166; Southern Rhodesia, repro., 43:534; Southern Rhodesia, 45:629; hab., body temp., thermoreg., act., dens., 47:134; antigens, 50:137
Phaiomys, 47:213
Phallic morphology, New Guinea rodents, 49:609
Phascolarctos cinereus, repro., 42:396
Phelps, R. J.:
(see Sowls, L. K.)
Phenacomys:
albipes, 42:181; seb., gls., 49:438
intermedius, 41:232; 42:181; hab., 42:191; Colo., hab., fd., 45:267; seb. gls., 49:438; brain, 50:21
intermedius levis, 42:44
intermedius oramontis, 42:187
longicaudus, 42:181; Calif., repro., mating behav., wt., lactation, fd., 43:486; gls., 46:32; seb. gls., 49:438
silvicola, 42:181; Ore., breed., 45:647
ungava, age, 42:44; Manitoba, life hist., 42:181; Quebec, 43:420; repro., 43:502
ungava ungava, Quebec, 42:282
Pheromones, Mus musculus, 49:572
Philander, 49:320
opossum, 48:679; Nicaragua, repro., develop., 50:345
Philippines:
collection, 44:471
Mindanaomys, 41:113
Mus musculus, 47:733
Tarsius, 41:512
Phillips, C. J.:
A new species of bat of the genus Melonycteris from the Solomon Islands, 47:23
A collection of bats from Laos, 48:633
Occurrence of the least horseshoe bat, Hipposideros cineraceus, in Sabah (North Borneo), 48:667
Review of central Asian voles of the genus Hyperacrius with comments on zoogeography, ecology and ectoparasites, 50:457
(see Baker, R. H.)
Phillips, C. J., and J. K. Jones, Jr.:
Additional comments on reproduction in the woolly opossum (Caluromys derbianus) in Nicaragua, 49:320
Notes on reproduction and development in the four-eyed opossum, Philander opossum, in Nicaragua, 50:345
Phillips, C. J., and N. Wilson:
A partially albino bandicoot from New Guinea, 46:698
A collection of bats from Hong Kong, 49:128
Phoca, Calif., distr., 41:366
groenlandica, Quebec, 43:512; ecol., 47:511
hispida, 44:281; ecol., 47:511
kurilensis, tax., hab., 47:470
largha, tax., evol., 47:467
ochotensis, 47:470

richardi, 41:369
vitulina, 41:366; 44:281; 48:657; pop., 41:369; Me., 41:416; Pribilof Is., 41:520; 43:458; Calif., 42:273; Amchitka Is., Alas., 46:103; tax., evol., 47:466; ecol., 47:512; Mass., zoogeog., skel. remains, 48:139; Canada, distr., 48:249; standard meas., 48:459
vitulina concolor, 48:253; S. C., distr., 42:425; Fla., distr., 50:379
vitulina mellonae, Ungava, 48:249
vitulina richardi, tax., distr., 47:267; Alas., breed. behav., 48:677
Phocoena:
edwardii, tax., 41:29
phocoena, 50:384; Bay of Fundy, migr., 49:259; distr., 49:794; Bay of Fundy, 50:653; click struct., 50:721
sinus, distr., 50:384
Phocoenoides dalli, 50:726
Phodopus, gls., 44:541
roborovskii, 47:210
sungorus, 47:210
Phoniscus, Australia, Indonesia, New Guinea, 46:517
Photoperiod:
Citellus lateralis, 47:68
Glaucomys volans, 50:542
Phylloderma, 49:337
Phyllonycteris:
lyshylla, Jamaica, 47:351
major, Puerto Rico, fos., 49:429
Phyllops haitensis, Hispaniola, 50:133
Phyllostoma personatum, 49:688
Phyllostomus, 44:53; 48:653; 49:337
discolor, Brazil, hab., 44:21; Colombia, 44:171; chest gl., 45:536; Colombia, fd., 48:653; act., 49:755
discolor discolor, Colombia, 43:422
hastatus, 41:198; 50:157; Brazil, hab., 44:21; Trinidad, 44:396; homing, 48:482; Colombia, fd., 48:653; forearm meas., 49:155
hastatus hastatus, fd. behav., 47:125
hastatus panamensis, 41:198
Phyllotis, bacu., 49:40
Physeter, 43:395; 45:131
catodon, 42:73; 46:504; 50:150, 726; Gulf of Mexico, stranding, 41:136; Hawaii, distr., 41:407; distr., 43:111; Calif., stranding, 45:129; fd., 47:142; sounds, 48:573
Pi, J. S.:
Gorilla attacks against humans in Rio Muni, West Africa, 47:123
Piérard, J.:
Sexual dimorphism in laryngeal size of the northern fur seal, 47:143
Pine, R. H.:
Stomach contents of a free-tailed bat, Molossus ater, 50:162
Three rodents new to the fauna of Honduras, 50:643
(see Davis, W. B.)
Pine, R. H., and G. L. Ranck:
Pseudoryzomys wavrini in Bolivia, 50:618
Pinter, A. J.:
(see Negus, N. C.)
Pipistrellus, U. S. S. R., Bulgaria, migr., 45:152
ceylonicus subcanus, West Pakistan, 48:395
cinnamomeus, status, 48:429
hesperus, 46:356, 703; 50:128; Ariz., 41:510; 42:64; 45:322; 46:509; flight, 42:153; act., 45:635; roosting, 46:270; Sonora, 46:331; Nev., roosts, 46:507; karyo., 48:270; Tex., 49:516
hesperus australis, 49:743
hesperus oklahomae, Okla., 42:236
hesperus santarosae, Colo., 48:322
kuhli kuhli, West Pakistan, 48:395
mimus, 47:79
mimus mimus, West Pakistan, 48:395
pipistrellus, 47:79; gls., 47:357
pulveratus, Hong Kong, 49:131
subflavus, 41:194; 42:559; 49:769; Mo., 41:116; Ky., 42:399; 44:119; 46:96; Ill., hiber., 43:29; hiber., Ky., 45:645; Nova Scotia, distr., 46:528; Mich., 46:688; bleeding, 47:340; Iowa, 47:341; W. Va., survival, age, life table, sex ratio, 47:383; N. Y., distr., 47:526; Ark., 48:130; Ga., roosts, 48:142; karyo., 48:271; La., sex ratio, roost, 49:134; Penn., act., 49:779; speed, 50:152
subflavus subflavus, Okla., 42:236; 45:601; Tex., 43:279
Pippin, W. F.:
The distribution and movement of roof rats on Mona Island, West Indies, 42:344
Pithecia chrysocephala, p. pithecia, longev., 41:114
Pituitary gland:
Microtus montanus, effect of plant extracts, 47:396
Odocoileus virginianus, 47:277
Pitymys, Ga., alb., 41:129; comp., 46:89; alb., 46:92
fingeri, Turkey, 43:516
majori, Turkey, dent., 43:516
parvulus, Fla., Ga., tax., distr., 46:87
pinetorum, 41:259; 46:92; Tenn., oil disposal effect, 42:555; Ill., mort., 43:422; Tex., 44:277; Ark., 45:471; S. C., 46:4; Ohio, 46:45; Fla., Ga., 46:87; Ala., pop., ecol., 50:609
pinetorum auricularis, Ind., 41:259
pinetorum pinetorum, N. C., alb., 45:485
pinetorum scalopsoides, 41:260; N. Y., hab., 41:275
subterraneus, Turkey, distr., var., 43:515
Pizonyx vivesi, Baja California, distr., 45:489; longev., 46:497; Trinidad, echolocation, sounds, 48:79; karyo., 48:270
Placental ingestion, Odocoileus virginianus, 46:107
Plague, Neotoma fuscipes, 50:47
Planigale:
ingrami, Queensland, 43:433; Australis, feed., ecol., 50:616
novaeguinae, New Guinea, 41:264
Plasma proteins, Peromyscus leucopus, 50:129
Platanista gangetica, West Pakistan, 48:400

Platt, A. P.:
Differential trap mortality as a measure of stress during times of population increase and decrease, 49:331
Platycranius, 47:214
Plecotus, 42:97; 45:605; Ariz., 42:61; Tamaulipas, 42:97; Penn., fos., 42:402
alleghaniensis, Md., 42:402
auritus, partu., 41:184; wing morph., 50:766
mexicanus, 49:743
phyllotis, 45:47; 46:356; Ariz., distr., 42:61; 45:322; Tamaulipas, Ariz., distr., 42:97; Ariz., hab., 42:402; Mexico, Ariz., N. Mex., hab., 42:538; act., 45:635; karyo., 48:271; Nev., 50:128
rafinesquii, Ill., hiber., 43:31; Ohio, distr., 43:108; Ky., distr., hab., 44:119; Ark., roosts, 48:132; La., 49:139
tetralophodon, Mexico, 42:402
townsendii, 45:472; 47:249, 353; 48:16; 49:769; 50:729; Ariz., 42:64; 44:272; 45:322; W. Va., 42:402; Ariz., speed., 45:238; Utah, 47:350; mort., 47:395; karyo., 48:271; Wash., arousal temp., 49:140; Mont., 50:737
townsendii australis, 49:743
townsendii ingens, blood, 45:606
townsendii pallescens, Okla., 42:236; distr., 47:122
townsendii virginianus, Ky., distr., colony, 46:499
Pleistocene:
Bison, 47:726
Canis, 42:503
carnivores, 41:361
Cervus, 44:373
Conepatus, 44:373
Desmodus, 41:458
Diplomesdon, 46:189
Equus conversidens, 48:661
Erethizon, 44:373
Euceratherium, 44:583
Eumetopias, 42:547
Eumops, 44:373
Felis, 44:373
Litocranius, 46:54
Mammuthus, 44:373
Microtus pennsylvanicus, 49:265
Mormoops, 44:373
Ovis, 50:805
Pitymys, 46:90
Plecotus, 42:402
Rangifer, 45:494
Rangifer tarandus, 47:325
Rattus, 49:639
Zalophus, 42:547
Plenert, M. L.:
(see Tiemeier, O. W.)
Plesiarctomys spectabilis, tooth number, 50:608
Plesiosminthus, 44:250
Pliocene:
Akodon, 50:643
Canimartes, 48:293
Citellus, 42:477
Mylagaulus, 47:401
Zalophus, 42:548
Pliogeomys, 44:13
Pliohippus, 44:14
Pliomastodon, 44:13
Pliozapus, 44:248
Podihik, 45:474
Podoxymys roraimae, 50:647
Poecilictis libyca, bacu., 41:138
Poëphagus, 47:209
Pogonomelomys jayeri, P. rummleri, phallic morph., 49:630
Pogonomys macrourus, P. silvestris, phallic morph., 49:620
Poland:
Myocastor, 43:418
Sorex, 44:523
Poliocitellus, chromo., 47:595
Pongo:
pygmaeus, longev., 41:113
satyrus, 43:169
Pontrelli, M. J.:
Mating behavior of the black-tailed jackrabbit, 49:785
Pope, D.:
(see Brattstrom, B. H.)
Population:
Aepyceros, dens., 43:375
Arctocephalus townsendi, size, 49:665
Balaena, 44:16
Blarina brevicauda, age, struct., 49:205
carnivores, in control areas, 42:510
Castor, regulation, 49:759
Citellus, dens., dynamics, 46:82
Citellus tridecemlineatus, dynamics, 47:294
Clethrionomys, 43:200
Clethrionomys gapperi, 42:263; dens., 48:670
Crocidura, 46:426
Cryptomys, 46:659
Cryptotis, 43:281
Dipodomys merriami, disper., 49:272
Dipodomys microps, disper., 49:272
Dryomys, 45:72
Enhydra, 41:174
Eumetopias, 43:70
game animals, East Africa, 41:168
Gorilla gorilla, dens., 47:123
home range as measure of interactions, 49:104
Lasiurus, 44:272
Lemmus, 43:171
Lepus, 46:502
Martes pennanti, 47:547
Mephitis, 46:673
Microsorex, 48:617
microtines, 46:599
Microtus, 46:566
Microtus californicus, 46:567; disper., 49:239
Microtus pennsylvanicus, dens., 47:1
Microtus pinetorum, 50:777
Mus musculus, 44:153; comp., 45:17; 47:431; struct., gen., 48:88; act., aggression, dens., 48:262; dens., 49:241
Myotis velifer, 46:612, 628
Odobenus, 41:499

Oryctolagus, 46:525
Ovibos, 45:1
Perognathus formosus, disper., 49:272
Perognathus longimembris, disper., 49:272
Peromyscus, 41:433; 44:180; comp., 45:1; dynamics, 45:95; control, 50:311
Peromyscus leucopus, 46:677; 48:49
Peromyscus maniculatus, disper., dens., 49:239
Peromyscus polionotus, 47:431
Pipistrellus subflavus, 47:383
Procyon, struct., 49:63
Reithrodontomys megalotis, disper., dens., 49:239; chromo., polymorph., 49:726
Sciurus, 41:272
seals, Antarctic, 43:229
Setonix, dens., blood, 49:124
Sigmodon, dens., 47:119
Sigmodon hispidus, decline, dens., 47:138
small mammals, La., 44:103; 46:44; abundance, affected by altitude and forest manipulations, 49:539
Sorex, 48:617
Sorex araneus, ecol., 50:326
Sorex arcticus, 47:181
Sorex cinereus, 47:181
Spermophilus armatus, 50:635
Sylvilagus, 41:269
Tamiasciurus, 41:438
Thomomys, 41:473; 42:258; adrenal gls., 44:451; dens., 46:508
Porcupine, 42:214; yellow hair, 43:270; 44:381; 47:122, 541
Potamochoerus:
aethiopicus, Mozambique, 46:260
porcus, East Africa, wt., 43:78; hab., temp., act., nests, thermoreg., 47:134
porcus maschona, Mozambique, 46:260
Potamogale ruwenzorii, 41:113
Potoroo, Australia, wt., color, desc., lab. pop., yg., 41:441
Potorous tridactylus, develop., 41:448; thermoreg., 50:556
Potos flavus aztecus, Oaxaca, 41:415
Pouch young, potoroo, 41:442
Pournelle, G. H.:
Some longevity records of captive mammals, 41:114
Notes on reproduction of the koala, 42:396
Observations on the birth and early development of Allen's monkey, 43:265
A breeding note on the Asiatic ibex, Capra ibex sibirica, 45:629
Observations on birth and early development of the spotted hyena, 46:503
Praeceratherium, dent., 47:635
Prairie dog, Ariz., 41:513; 47:346
Prakash, I.:
Breeding of mammals in Rajasthan Desert, India, 41:386
Praomys morio, Uganda, 44:127
Pratilepus kansasensis, 44:2
Predator:
Canis lupus, 45:313
carnivores, 45:177
Chrotopterus auritus, 48:319
Eumetopias, 47:195
Felis, 43:417
Herpestes auropunctatus, 43:544
Lutra, 44:425
Lynx, 43:430
Mustela, 46:344
Mustela frenata, 50:360
Mustela vison, 45:305
mustelids, 47:212
Orcinus, 46:341
Sciurus, 42:101
Sorex cinereus, 46:495
Taxidea, 42:423; 46:506
Ursus, 45:476
Zalophus, 47:195
Premolars, Myotis, 48:432
Preptoceras sinclairi neomexicanum, N. Mex., Pleist., 44:584
Presbytis entellus, longev., 41:113; India, breed., 41:386; Bengal, 45:443
Preservative, small mammals, 43:264
Preston, J. R., and R. E. Martin:
A gray shrew population in Harmon County, Oklahoma, 44:268
Preston, J. R., and J. A. Sealander:
Unusual second record of Notiosorex from Arkansas, 50:641
Prey:
Aepyceros, 43:375
Alces alces, 45:313
Balaenoptera, 46:341
Blarina, 43:417
Citellus, 42:423; 45:76
Citellus armatus, 47:446
Citellus tridecemlineatus, 47:306
Eptesicus fuscus, 50:360
Gazella, 48:189
Glossophaga, 46:496
Holochilus, 43:369
Lasiurus, 43:434; 44:581
Lepus californicus, 47:143
Lepus townsendii, 47:143
Marmota, 46:506
Microtus, 42:40; 45:177
Mus, 45:177
Myocastor coypus, 47:353
Myotis, 42:408, 540; 45:303; 46:672; 50:360
Odocoileus, 43:544
Peromyscus, 48:387
Pipistrellus, 42:540
Rattus, 43:544
Reithrodontomys, 45:77
Sigmodon hispidus, 45:305
Sorex, 47:192
Sylvilagus audubonii, 47:143
Tadarida, 45:300; 50:360
Tamias, 46:344
Priacodon, dent., 50:104
Pribilof Islands:
Callorhinus ursinus, 43:68; 47:143
Enhydra, 43:68
Erignathus, 41:520
Eumetopias, 43:68
Histriophoca, 41:520
Phoca, 41:520; 43:458
Pusa, 43:458
Odobenus, 43:68

Price, E. O.:
Influence of light on reproduction in Peromyscus maniculatus gracilis, 47:343
(see Huff, J. N.)
Price, J. F.:
(see Sealander, J. A.)
Priewert, F. W.:
Record of an extensive movement by a raccoon, 42:113
Pringle, L. P.:
Notes on coyotes in southern New England, 41:278
Pritchett, C. L.:
(see Speth, R. L.)
Procapra gutturosa, 47:210
Procavia:
capensis, South Africa, behav., 47:545; Africa, subsp. color var., 47:689
welwitschii, Africa, color var., tax., 47:690
Procerberus, 46:394
Procyon, 42:116; 46:523
lotor, 41:260; 45:321, 607; 48:287; 49:63, 142; 50:118; Ind., 41:111; Me., 41:416; Puebla, 41:519; Minn., home range, 42:113; alb., 42:275; hab., 42:424; N. Mex., Colo., Wyo., 42:510; R. I., 43:266; Ill., dent., 45:493; anesthetized, 46:343; kidney disease, wt., histol., 47:129; abnorm., dent., 47:149; Minn., resting, 47:450; Minn., fd., wt., dens., 47:529; Manitoba, behav., 48:659; Minn., home range, act., behav., 48:673; bacu., 49:32; os clit., 49:41; Minn., mort., pop. struct., seas. wt., 49:63; par., 49:69; Vt., 49:93; Ind., repro., 49:126; Ill., pel. develop., 49:142; move., 50:145; hearing, 50:567; distr., Mont., 50:594
lotor lotor, N. C., erythrism, 42:270
Prodelphinus attenuatus, 46:500
Prodipodomys *idahoensis*, Ida., Pleist., 43:482
Productivity, Felis concolor, 42:204
Proechimys semispinosus centralis, Honduras, 50:643
Proedromys, 49:442
Progulske, D. R.:
Observations of a penned, wild-captured black-footed ferret, 50:619
Prohyracodon, dent., 47:637
Prometheomys, 49:442; comp., 46:470
Promimomys, comp., 46:470
Promioclaenus, 46:393
Promops centralis, Honduras, 50:821
Pronolagus crassicaudatus, 44:2
Proreithrodon chapalmalense, P. incipiens, 50:643
Prosomys mimus, comp., 46:469
Proteins, Peromyscus, electrophoresis, 50:507
Protemnedon ruficollis bennetti, repro., 44:430
Prothryptacodon albertensis, fos., Paleocene, Alberta, 49:661
Prothyracodon, dent., 47:635
Protoreodon, 49:301
Prototocyon recki, teeth, 45:285
Pruitt, W. O., Jr.:
Locomotor speeds of some large northern mammals, 41:112
On post-natal mortality in barren-ground caribou, 42:550
A flight releaser in wolf-caribou relations, 46:350
Pryor, K.:
(see Pryor, T.)
Pryor, T., K. Pryor, and K. S. Norris:
Observations on a pygmy killer whale (Feresa attenuata Gray) from Hawaii, 46:450
Psammomys obesus, 50:254, 361
Pseudocheirus archeri, Queensland, color, 42:149
Pseudochirops, 42:149
Pseudohydromys occidentalis, phallic morph., 49:617
Pseudorca, comp., 46:453
Pseudoryzomys, 45:474
wavrini, Bolivia, 50:618
Pteronotus, Venezuela, 48:464
davyi, 41:185; 48:571; Sinaloa, 42:537; Mexico, hab., 44:48; brain size, 50:340
fuliginosus inflatus, Puerto Rico, fos., 49:403
parnellii fuscus, Guatemala, 49:517
parnellii mexicanus, 46:497
parnellii portoricensis, Puerto Rico, fos., 49:403
psilotus, Mexico, 45:302
suapurensis, Honduras, 44:49; 50:819
suapurensis suapurensis, 45:375; 50:808
Pteropus, 41:197, 263; 48:59; breed., 41:508; drink., 42:252; fd., 47:125; brain size, 50:340
alecto, Celebes, Queensland, bacu., 43:38
argentatus, Celebes, bacu., 43:38
conspicillatus, New Guinea, Queensland, bacu., 43:38; bacu., 48:497
dobsonia, Celebes, bacu., 43:37
eotinus, bacu., 48:497
giganteus, 47:79; India, breed., 41:386; bacu., 48:494
hypomelanus, Celebes, bacu., 43:37
mariannus, 49:758
neohibernicus papuanus, New Guinea, hab., 41:264
pelewensis, Palau Is., 49:758
pohlei, New Guinea, bacu., 43:39
poliocephalus, 43:185
rayneri, bacu., 48:497
scapulatus, Queensland, bacu., 43:39; bacu., 48:497
solomonsis, bacu., 48:497
vampyrus, Bali, Java, bacu., 43:38
Ptilodus, 46:280
Pucek, Z.:
Seasonal changes in the braincase of some representatives of the genus Sorex from the Palearctic, 44:523
Puebla, faunal list, 41:519
Puerto Rico:
faunal list, bats, 49:407
Lasiurus, 44:264
Macaca mulatta, 48:70
Molossus, 45:476
Stenoderma rufum, 47:352
Ziphius, 43:276

Pugiodens, comp., 46:389
Puku, 41:164
Pulse, Saccopteryx, Taphozous, 43:449
Puma, 42:277
Pusa, tax., distr., fos., 47:469
caspica, whelping, 47:269
hispida, 48:252; Alas., 41:520; Pribilof Is., 43:458; whelping, 47:469; morph., 48: 144

Q

Quadagno, D. M.:
Litter size and implantation sites in feral house mice, 48:677
Home range size in feral house mice, 49: 149
Quanstrom, W. R.:
Flood tolerance in Richardson's ground squirrel, 47:323
Quay, W. B.:
The reproductive organs of the collared lemming under diverse temperature and light conditions, 41:74
Apocrine sweat glands in the angulus oris of microtine rodents, 43:303
Comparative survey of the sebaceous and sudoriferous glands of the oral lips and angle in rodents, 46:23
The specialized posterolateral sebaceous glandular regions in microtine rodents, 48:427
Comparative occurrence of brain colloid deposits in microtine rodents from Churchill, Manitoba, 50:21
Quay, W. B., and P. Q. Tomich:
A specialized midventral sebaceous glandular area in Rattus exulans, 44:537
Quebec:
faunal list, 42:281; 43:505
Lepus, 43:509
Microtus, 43:420, 510
Microtus pennsylvanicus, 43:110; 48:579
Odobenus rosmarus, 41:501
Phenacomys, 42:49, 181; 43:420
Pipistrellus, 46:528
Queensland:
Antechinomys, 47:328
Antechinus, 43:433
Planigale ingrami, 50:616
Pseudocheirus, 42:149
Pteropus, 43:38, 39
Querétaro, Peromyscus, 42:10
Quick, F. W.:
(see Robinson, T. S.)
Quokka, 48:124; Australia, 45:617
Qurliqnoria cheni, fos., 49:769

R

Rabb, G. B.:
Longevity records for mammals at the Chicago Zoological Park, 41:113
Rabb, G. B., and J. E. Rowell:
Notes on reproduction in captive marmosets, 41:401
Rabbits, jack, 41:513
Rabies:
bats, Texas, 43:279
Mephitis mephitis, 47:705
Raccoon, 45:180; U. S. S. R., 43:541; distr., 45:311
Rader, T.:
(see French, C. E.)
Radinsky, L. B.:
The families of the Rhinocerotoidea (Mammalia, Perissodactyla), 47:631
Radioisotopes, tagging small mammals, 48:639
Radvanyi, A.:
Off-course migration of a northern fur seal, 41:277
Rahm, H.:
Gestation period and litter size of the mole rat, Tachyoryctes ruandae, 50:383
Rainey, D. G.:
Parturition in the desert wood rat, 46:340
Ranck, G. L.:
(see Pine, R. H.)
Randall, J. E.:
(see Seaman, G. A.)
Rangifer, 44:83; dent., 42:552
arcticus, speed, 41:112; Northwest Territories, post-natal mort., 42:550
caribou, Ontario, 46:355
tarandus, 49:778; post-natal mort., 42:550; behav., 46:350; Alaska Peninsula, Aleutian Is., 48:125; N. Y., Mass., arch., 49: 344
tarandus caribou, Mich., Pleist., 45:494; Ohio, fos., 47:325
tarandus groenlandicus, 50:302
tarandus stonei, Alas., 43:263
Raphicerus:
campestris, Tanganyika, hab., 41:166; Southern Rhodesia, repro., 43:536
campestris capricornis, Mozambique, meas., 46:261
sharpei, Mozambique, 49:121
Rasmussen, D. I.:
Antigenic polymorphism in Microtus californicus, 46:403
Rasmussen, J. L.:
A recent record of the lynx in Iowa, 50:370
Rat, repro., anat., mating behav., 44:57; lab. mating, 47:311; growth, 47:696; sugar pref., 48:324; adrenal wt., 48:603
Ratcliffe, F. N.:
Flying foxes drinking sea water, 42:252
Rattus, 41:113; 47:683; 48:122; wt., 43:362; live trap, 43:547; Ontario, 46:355; pituitary cells, 47:397; ammonia toler., 48: 564; olfact., 50:771
annandalei, Malaya, distr., 42:349; Malaysia, gls., histol., 47:331
bowersi, Malaysia, gls., histol., 47:332
canus, Malaysia, gls., histol., 47:332
chrysophilus, Nyasaland, 43:241
coucha, gls., 46:33
cremoriventer, Malaysia, gls., histol., 47: 332
culmorum, Queensland, Australia, 50:617
dominator, 41:113
edwardsi, Malaysia, gls., histol., 47:332
exulans, 43:253; Malaya, distr., 42:349;

Hawaii, 44:537; gls., 47:331; Solomon Is., Gilbert Is., hab., 48:649; phallic morph., 49:630
exulans exulans, Tokelau Is., hab., 47:702
fuscipes, paternal behav., 50:803
gilurvensis, 41:277
hawaiensis, syn., 44:541
jalorensis, Malaya, meas., 43:249
melanurus, nomen., 41:277
muelleri, Malaysia, gls., histol., 47:331
natalensis, Nyasaland, 43:241
niobe, phallic morph., 49:630
norvegicus, 42:273; 43:253; 44:63, 452, 539, 541; 47:354; 48:387; 49:610; 50:803; Ind., 41:360; embalming, 41:390; Okla., 42:239; Calif., melanistic, 42:268; West Indies, distr., dis., 42:344; repro., 43:491; marking, move., 44:335; S. C., 46:4; gls., 46:33; U. S. S. R., fd., 47:354; Tenn., ectopar., 48:40; Unalaska Is., 48:124; Solomon Is., 48:649; bacu., 49:32; N. C., 49:539; phallic morph., 49:630; Scotland, breed. in capt., conflict, 50:321; catabolism, water bal., 50:355; behav., 50:497; water loss, 50:519
perhentianus, 43:259
rajah, Malaysia, gls., histol., 47:332
rattus, 43:544; 48:48; 50:803; India, breeding, 41:387; S. C., 46:4; Hawaii, color inheritance, 47:423; Johnston Atoll, 47:728; Solomon Is., Gilbert Is., par., 48:649; coat color, 49:74; phallic morph., 49:630; Australia, Tasmania, salt and water balance, 50:487; behav., 50:497
rattus argentiventer, Malaya, distr., hab., 42:349
rattus diardii, Malaya, 43:249
rattus jalorensis, Malaya, distr., hab., 42:349; Malaysia, histol., gls., 42:332
rattus rufescens, West Pakistan, 48:397
ruber, 41:277; phallic morph., 49:630
rufescens, India, breed., 41:387
sabanus, Malaysia, gls., histol., 47:332
surifer, Malaysia, gls., histol., 47:332
tinngius, 43:259
whiteheadi, Malaysia, gls., histol., 47:332
Ratufa bicolor, longev., 41:114
Raun, G. G.:
The big free-tailed bat in southern Texas, 42:253
The subspecific status of the cottontail, Sylvilagus floridanus, in northern Coahuila, Mexico, 46:519
Rawson, K. S.:
An accurate recorder for animal activity, 41:284
Ray, C. E.:
The manatee in the Lesser Antilles, 41:412
The monk seal in Florida, 42:113
The jaguarundi in the Quaternary of Florida, 45:330
(see Schevill, W. E.)
(see Waters, J. H.)
Ray, C. E., S. J. Olsen, and H. J. Gut:
Three mammals new to the Pleistocene fauna of Florida, and a reconsideration of five earlier records, 44:373
Raynor, G S.:
Three litters in a pine mouse nest, 41:275
Reading, A. J.:
Effects of parity and litter size on the birth weight of inbred mice, 47:111
Influence of room temperature on the growth of house mice, 47:694
Rebach, S., and W. C. Cornell:
Method of preparing the teeth of the bottlenosed dolphin, Tursiops truncatus, for age determination, 49:163
Recorder for activity, 41:284
Recording data, cetaceans, 42:471
Recording sounds, bats, 43:450
Reddell, J. R.:
The hairy-legged vampire, Diphylla ecaudata, in Texas, 49:769
Redford, P.:
Raccoon in the U. S. S. R., 43:541
Redunca:
arundinum, distr., 41:165; Mozambique, 46:261
redunca, Tanganyika, hab., 41:165
Reeder, W. G.:
Occurrence of the big brown bat in southwestern Alaska, 46:332
Rees, J. W., R. A. Kainer, and R. W. Davis:
Histology, embryology, and gross morphology of the mandibular dentition in the mule deer, 47:640
Regehr, E.:
(see Sowls, L. K.)
Reig, O. A., and O. J. Linares:
The occurrence of Akodon in the upper Pliocene of Argentina, 50:653
Reimer, J. D., and M. L. Petras:
Breeding structure of the house mouse, Mus musculus, in a population cage, 48:88
Reingestion:
Aplodontia, 42:411
Geomys, 43:267; 50:348
Thomomys, 43:267
Reithrodon physodes, South America, 50:643
Reithrodontomys, 42:37, 263, 386; 45:613; comp., 41:493
burti, Sonora, 41:282
fulvescens, La., pop., 44:105; Ark., 45:598
fulvescens aurantius, 45:602; Mo., distr., 46:506
fulvescens intermedius, Okla., 42:235
fulvescens laceyi, Okla., 42:238; Tex., 49:537
humulis, 45:607; 49:564; Tenn., lit. size, 43:428; S. C., 46:4; gls., 46:32; Ohio, 46:45; Tenn., ectopar., 48:40; Ala., pop., ecol., pred., 50:609
humulis humulis, hab., 42:323; La., pel., 47:324
humulis merriami, La., 47:324
humulis virginianus, Va., 42:544
intermedius, Mo., 46:506
megalotis, 49:484, 724; 50:336; Calif., hab., 41:58; Ill., distr., 41:131; 44:274; N. Mex., 41:275; Calif., breed., seas., 42:489; Calif., evol., vibrissae, 43:105; Calif., behav., 43:133; salt toler., 43:416; Calif., pop., 45:178; gls., 46:32; Mo., 46:506;

homing, home range, disper., 47:53; fecundity, 48:306; disper., 49:239; pop. dens., 49:241; water loss, 50:520; Mont., distr., 50:590
megalotis distichlis, Calif., chromo., 49:726
megalotis dychei, Colo., distr., repro., 43:104
megalotis limicola, 47:201
megalotis longicaudus, karyo., 48:549; Calif., chromo., 49:726
megalotis megalotis, Nev., ecol., 45:397
microdon albilabris, 48:321
montanus, Mo., 46:506; hab., distr., 47:118
montanus griseus, Okla., 42:238; Mo., 42:417
nigrescens, lit. size, 48:306
raviventris, 47:201; salt toler., 43:416; karyo., 48:549; water loss, 50:520
sumichrasti nerterus, 46:692; Michoacan, distr., ecol., 42:121
Reithronycteris, 47:351
Repenning, C. A.:
An extinct shrew from the Pleistocene of South Africa, 46:189
Reproduction:
Anoura, 47:230
Antilocapra americana, 47:708
Antrozous pallidus, 50:735
Arctocephalus townsendi, 49:670
Artibeus, 41:508; 46:331; 47:230
Aselliscus stoliczkanus, 48:635
bats, Colombia, 44:168
Beamys, 43:242
Blarina brevicauda, 42:95; 47:188; 48:664; 49:205
Callithrix, 41:401
Caluromys derbianus, 48:678; 49:320
Canis, 50:830
Centetes, 47:672
Cervus canadensis, 44:111
Cervus elaphus, 42:124; 47:152
Chalinolobus dwyeri, 47:716
Chionomys, 43:502
Chiropodomys gliroides, 48:20
Citellus harrisi, 46:200
Citellus tereticaudus, 46:200
Citellus tridecemlineatus, 47:294; 49:343
Clethrionomys, 43:200, 493
Crocidura jacksoni, 48:664
Crocidura suaveolens, 46:426
Cryptomys, 46:660
Cryptotis parva, 48:664
Cynomys leucurus, 48:100
Dasycercus cristicauda, 50:663
Dicrostonyx torquatus, 41:74
Didelphis, 45:120
Dipodomys merriami, 44:61; 45:218
Dipodomys nitratoides, 44:51
Dipodomys ordii, 41:43
Dipodomys panamintinus, 44:61
Dryomys, 45:77
Echinops, 47:676
effect of plant extracts, 47:396
Eptesicus fuscus, 48:647
Erethizon dorsatum, 47:713
Eutamias, 49:86
Eutamias cinereicollis, 50:642
Eutamias minimus, 47:159
Eutamias quadrivittatus, 50:256
Galago, 41:401
Gazella, 48:199
Giraffa, 42:427
Glaucomys volans, 50:542
Helarctos, 42:427
Hemicentetes, 47:666
Hippopotamus, 42:427
Holochilus, 43:369
Lasiurus borealis, 46:333; 47:36
Lasiurus cinereus, 47:36
Leontideus, 41:401
Leptonychotes weddelli, 47:319; 50:155
Lepus, 46:415
Liomys pictus, 44:61
Lutra, 45:242
Lynx, 42:77
Macaca mulatta, 48:70
Macropus eugenii, 50:631
Marmota flaviventris, 50:756
Mephitis, 44:123
Meriones unguiculatus, 48:142
Microtus agrestis, 43:500
Microtus californicus, 43:493, 500
Microtus montanus, 46:536; 47:396; 47:597
Microtus ochrogaster, 48:287
Microtus pennsylvanicus, 42:483; 43:493; 47:1; 48:135, 287; 49:322
Microtus pinetorum, 50:777
Mirounga, 42:114
Molossus, 47:230
Monachus schauinslandi, 49:229
Mus minutoides, 41:405
Mus musculus, 45:23, 272; 47:111; 48:677; 49:122, 457; 50:49
Mustela vison, 48:113; 50:742
Myotis grisescens, 48:646
Myotis lucifugus, 46:303; 48:645
Myotis occultus, 44:279
Nectogale elegans, 48:664
Neotoma floridana, 50:29
Neotoma lepida, 46:340
Neotoma mexicana, 50:536
Neotoma stephensi, 41:480
Notiosorex, 46:330
Nycticeius humeralis, 48:2
Nyctomys sumichrasti, 46:183
Ochotona princeps, 41:206; 48:311
Odocoileus virginianus, 42:426; 45:151; 48:674
Onychomys leucogaster, 41:99
Onychomys torridus, 45:219; 49:303
Ototylomys, 50:29
Perognathus californicus, 44:61
Perognathus flavus, 44:61
Perognathus longimembris, 45:219
Perognathus parvus, 49:336
Peromyscus boylii, 45:260
Peromyscus eremicus, 45:219
Peromyscus leucopus, 45:260
Peromyscus maniculatus, 44:180; 47:343; 50:313
Peromyscus oreas, 44:180
Peromyscus polionotus, 45:23, 105; 49:457
Phascolarctos cinereus, 42:396
Phenacomys, 43:502

Philander opossum, 50:345
Phoca vitulina, 48:677
Pitymys, 41:275
Protemnedon, 44:430
Rattus, 43:491
Reithrodontomys megalotis, 43:104; 48:306
Saguinus, 41:401
Sciurus carolinensis, 48:141
Setifer, 47:675
Setonix, 45:616
Sigmodon hispidus, 47:138
Sminthopsis crassicaudata, 50:132
Sorex araneus, 42:95
Sorex arcticus, 47:188
Sorex cinereus, 42:95; 47:188; 48:664
Sorex longirostris, 48:664
Spilogale putorius, 49:373
Suncus murinus, 47:73; 48:664
Sylvilagus floridanus, 47:141
Synaptomys, 43:494
Tadarida brasiliensis, 50:152
Thomomys, 41:243; 44:578
Tursiops, 44:405
Tylomys, 50:29
ungulates, Southern Rhodesia, 43:533
Ursus, 42:427
Vulpes vulpes, 50:147
Zalophus californianus, 48:63
Republic of Gabon, Hypsignathus monstrosus, 49:335
Respiration:
Blarina brevicauda, 46:424
Dryomys, 45:82
Reuther, R. T.:
Breeding notes on mammals in captivity, 42:427
Reynolds, B. G. R.:
(see Mossman, A. S.)
Reynolds, H. G.:
Life history notes on Merriam's kangaroo rat in southern Arizona, 41:48
Mule deer killed by lightning, 46:676
Abert squirrels feeding on pinyon pine, 47:550
Rheomys:
hartmanni, Costa Rica, Panama, 49:552
raptor, Panama, 49:553
thomasi, El Salvador, Chiapas, 49:552
trichotis, Colombia, 49:553
underwoodi, Costa Rica, Panama, 49:552
Rhinodorcas, 41:113
Rhinolophus, 44:47
affinis hainanus, Hong Kong, 49:128
chaseni, 48:634
ferrumequinum, 47:81
hildebrandtii, Mozambique, 46:257
hipposideros, 47:79
landeri, 49:118
landeri landeri, Mozambique, 46:257
lepidus, 47:79
malayanus, Laos, 48:634
rouxi sinicus, Hong Kong, 49:128
Rhinopoma:
hardwickei, India, breed., 41:386
hardwickei cystops, hab., 47:153
kinneari, 47:79; India, breed., 41:386
Rhode Island:
Cervus, 43:266
Synaptomys, 45:479
Rhodesia:
Cryptomys hottentotus, 46:647
Phacocoerus aethiopicus, 47:134
Potamochoerus porcus, 47:134
Rhodopagus, tax., dent., 47:632
Rhogeessa:
gracilis, karyo., 48:271
parvula, Mexico, 42:537; Sonora, distr., 46:331; karyo., 48:270
tumida, Colombia, 44:177; karyo., 48:271
tumida major, Mexico, 45:375
Rhynchiscus naso, 41:197
Rhynchonycteris, 43:449; 44:55
Rhynchotragus, dent., 42:551
guntheri, 46:56
Rhythms:
Citellus lateralis, annual, 47:68
Marmota monax, act., 47:105
Sarcophilus harrisii, circadian, 47:698
Tadarida brasiliensis, exogenous clues, 47:84
Rice, D. T.:
(see Hesselton, W. T.)
Rice, D. W.:
Population dynamics of the Hawaiian monk seal, 41:376
Distribution of the bottle-nosed dolphin in the leeward Hawaiian Islands, 41:407
Offshore southward migration of gray whales off southern California, 46:504
(see Fiscus, C. H.)
(see Kenyon, K. W.)
Richens, V. B.:
Larvae of botfly in the northern pocket gopher, 46:689
Notes on the digging activity of a northern pocket gopher, 47:531
(see Bongardt, H.)
Rick, A. M.:
Otonyctomys hatti in Guatemala, 46:335
Notes on bats from Tikal, Guatemala, 49:516
Riggs, J. A., and E. H. Studier:
Cellulose digesting bacteria from the gut and burrows of Thomomys bottae, 47:720
Rinker, G. C.:
The entepicondylar foramen in Peromyscus, 41:276
Rio Muni, Gorilla gorilla, 47:123
Ripley, S. D.:
Behavior of flying foxes in coastal New Guinea, 41:264
Rippy, C. L.:
(see Davis, W. H.)
Rippy, C. L., and M. I. Harvey:
Notes on Plecotus townsendii virginianus in Kentucky, 46:499
Ritteneria, 46:419
Roberts, J. D.:
(see Kennelly, J. J.)
Robertson, P. B.:
(see Tuttle, M. D.)
Robinette, W. L.:
(see Gashwiler, J. S.)

Robinette, W. L., J. S. Gashwiler, and O. W. Morris:
Notes on cougar productivity and life history, 42:204
Robinson, A. E.:
(see Kock, L. L. de)
Robinson, P. F.:
(see Hoffman, R. A.)
Robinson, R. M.:
(see Marburger, R. G.)
(see Thomas, J. W.)
Robinson, T. S., and F. W. Quick:
The cotton rat in Kentucky, 46:100
Robinson, W. B.:
Population changes of carnivores in some coyote-control areas, 42:510
Robinson, W. L.:
Social dominance and physical condition among penned white-tailed deer fawns, 43:462
(see Kott, E.)
Rodeck, H. G.:
Another spotted bat from New Mexico, 42:401
Roest, A. I.:
Partially albino badger from California, 42:275
Physeter and Mesoplodon strandings on the central California coast, 45:129
A ribbon seal from California, 45:416
Rogers, D. T.:
(see Wolfe, J. L.)
Rolan, R. G., and H. T. Gier:
Correlation of embryo and placental scar counts of Peromyscus maniculatus and Microtus ochrogaster, 48:317
Rolle, F. J.:
(see Starrett, A.)
Rolling mechanism, Paraechinus micropus, 42:365
Romerolagus diazi, 44:2
Rongstad, O. J.:
A life history study of thirteen-lined ground squirrels in southern Wisconsin, 46:76
Short-tailed shrew attacks young snowshoe hare, 46:328
Rood, J. P.:
Observations on population structure, reproduction and molt of the Scilly shrew, 46:426
Roosts:
Antrozous pallidus, 44:428; 48:52
Chalinolobus dwyeri, 47:716
Chrotopterus auritus, 47:125
Desmodus rotundus, 50:238
Eidolon, 45:309
Eptesicus fuscus, 44:428; 45:628; 48:131
Lasionycteris noctivagans, 47:121
Lasiurus borealis, 45:143; 47:37, 128
Lasiurus cinereus, 47:37
Lasiurus ega, 47:126
Leptonycteris sanborni, 47:126
Lonchorhina aurita, 47:126
Macrotis, 44:428
Mimon cozumelae, 47:125
Myotis austroriparius, 47:128
Myotis leibii, 48:142
Myotis lucifugus, 48:132
Myotis subulatus, 47:121
Myotis velifer, 44:428
Myotis yumanensis, 44:428; 48:52
Nycticeius humeralis, 47:128; 48:131, 136
Pipistrellus hesperus, 46:270, 507
Pipistrellus subflavus, 48:142
Plecotus rafinesquei, 48:132
Tadarida brasiliensis, 44:428; 46:507; 47:78; 48:52
Trachops cirrhosus, 47:126
Rosenberg, L. E.:
(see Harvey, E. B.)
Rosenblum, E. E.:
Distribution of sperm whales, 43:111
Rosenzweig, M. L.:
Community structure in sympatric carnivora, 47:602
Ross, A.:
Notes on food habits of bats, 42:66
Rothe Choro, 44:242
Rousettus, 41:197; 48:60; breed., 41:508; brain size, 50:340
aegyptiacus aegyptiacus, hab., 47:153
amplexicaudatus, Bali, Celebes, bacu., 43:37
leschenaulti, Java, bacu., 43:37; bacu., 48:494; Laos, meas., 48:633
Rowe, R. P.:
Notes on rats in the Solomon and Gilbert Islands, 48:649
Rubrisciurus, 41:113
Rudd, R. L.:
Spleen size relation to reproductive activity in pocket gophers, 44:578
Weight and growth in Malaysian rain forest mammals, 46:588
The midventral gland in Malaysian murid rodents, 47:331
(see Beck, A. J.)
Rudd, R. L., and D. A. Mullen:
Adrenal gland responses to experimental manipulations of captive pocket gophers (Thomomys umbrinus), 44:451
Rudolph, E. D.:
(see Stirling, I.)
Ruffer, D. G.:
Effect of flooding on a population of mice, 42:494
Burrows and burrowing behavior of Onychomys leucogaster, 46:241
Juvenile molt of Onychomys leucogaster, 46:338
Agonistic behavior of the northern grasshopper mouse (Onychomys leucogaster breviauritus), 49:481
Rupicapra rupicapra, 50:303
Russellites simplicideus, 46:392
Russia, Pamir Mts., Eurosorex, 41:112
Rust, C. C.:
Temperature as a modifying factor in the spring pelage change of short-tailed weasels, 43:323
Notes on the star-nosed mole, (Condylura cristata), 47:538
Procedure for live trapping weasels, 49:318

Rust, C. C., R. M. Shackelford, and R. K. Meyer:
Hormonal control of pelage cycles in the mink, 46:549
Rutting:
Aepyceros melampus, 43:381
Mephitis mephitis, 46:702
Oreamnos americanus, 45:554
Ryan, R. M.:
Taxonomic status of the vespertilionid genera Kerivoula and Phoniscus, 46:517
A new and some imperfectly known Australian Chalinolobus and the taxonomic status of African Glauconycteris, 47:86
Ryckman, R. E.:
(see Brand, L. R.)
Ryle, L. A.:
The occurrence of certain anomalies in Michigan white-tailed deer, 44:79
Ryser, F. A.:
Spiny pocket mouse in Nevada, 45:301
(see Morrison, P.)

S

Saatela, W. R.:
(see Brown, E. B.)
Saccopteryx, 43:449
bilineata, Colombia, 44:169; Trinidad, 44:396; Guatemala, 49:517
leptura, Nicaragua, Panama, 45:375
Saccostomus, 43:248
campestris campestris, Mozambique, 46:264
Sade, D. S.:
(see Conaway, C. H.)
Saguinus:
geoffroyi, repro., 41:401
nigricollis, repro., 41:401
Saiga, 49:769
tatarica, 47:210
Saimiri:
caquetensis, 45:325
sciureus, 50:834; estrous, 45:471
sciureus macrodon, Colombia, distr., 45:325
Salt balance, Rattus rattus, 50:487
Salt toleration, Peromyscus, Reithrodonomys, 43:416
Sampling methods, Sorex, Microsorex, 48:617
Sanborn, C. C., obit., 44:149
Sandberg, H. R., and H. J. Werner:
Morphological aspects of the salivary glands of nutria, 43:359
Sanderson, G. C.:
(see Storm, G. L.)
Sands, J. L.:
The opossum in New Mexico, 41:393
San Luis Potosi:
faunal list, 45:302
Peromyscus, 42:10; 46:337
Sansanosmilus, desc., 46:585
Santo Domingo, Lasiurus, 45:461
Sarcophilus harrisii, circadian rhythms, 47:698; thermoreg., 50:556
Sargeant, A. B.:
A live trap for pocket gophers, 47:729
Sarosa, J. S.:
(see Jones, G. C.)
Saskatchewan:
Euarctos, 44:129
faunal list, 50:291
Sassaman, J. F.:
(see Terman, R. C.)
Satanellus hallucatus, thermoreg., 50:556
Saunders, J. K., Jr.:
Physical characteristics of the Newfoundland lynx, 45:36
Savage, D. E.:
(see Camp, C. L.)
Scalopus:
aquaticus, 41:256; 47:240; 49:257; Mich., 42:25; Penn., distr., 42:117; Colo., 42:172: Mich., 43:223
aquaticus intermedius, Okla., 42:136
aquaticus machrinoides, Neb., distr., 42:92
aquaticus machrinus, 42:117; Ind., 41:256
Scapanus:
latimanus, 49:257; Calif., hab., 48:480
orarius, 47:239
townsendii, 47:239
Scat, coyote, 48:322
Scent production, Suncus murinus, 48:420
Schaller, G. B.:
(see Hall, K. R. L.)
Schantz, V. S.:
Record of an albino pine vole, 41:129
Scheffer, V. B.:
Marks on the skin of a killer whale, 50:151
(see Bauer, R. D.)
(see Thomas, R.)
Schevill, W. E.:
Sight records of Phocoena phocoena and of cetaceans in general, 49:794
(see Watkins, W. A.)
Schevill, W. E., and R. H. Backus:
Daily patrol of a Megaptera, 41:279
Schevill, W. E., W. A. Watkins, and C. Ray:
Click structure in the porpoise Phocoena phocoena, 50:721
Schierbaum, D.:
(see Paradiso, J. L.)
Schmid, W. D.:
(see Brown, E. B.)
Schmidly, D. J.:
First record of the plains pocket mouse in New Mexico, 49:757
Schnell, J. H.:
A mink exterminates an insular cotton rat population, 45:305
Schoinobates volans, thermoreg., 50:556
Schramm, P.:
Copulation and gestation in the pocket gopher, 42:167
Schreiber, R. W., and E. Kridler:
Occurrence of an Hawaiian monk seal (Monachus schauinslandi) on Johnston Atoll, Pacific Ocean, 50:841
Schroeder, R. E.:
(see Bailey, J. A.)
Schwegman, J. E.:
(see Hawkins, R. E.)
Scilly Isles, Crocidura, Sorex, 46:426
Sciurus, 50:6, 838; Colo., 42:101; bacu., 49:41

aberti, N. Mex., 41:275; Wyo., distr., 46:616; N. Mex., fd., 47:550
aberti durangi, ecol., 47:345
carolinensis, 41:257; 46:182; Wis., hab., 41:125; Me., 41:146; Minn., pop., wt., 41:272; N. Y., pel., 41:514; Neb., distr., 42:92; New England, emigr., 43:272; Tenn., ectopar., 48:40; N. C., lit. size, 48:141; Ark., 49:530; Ill., mating, 49:531; Ohio, lit. move., 49:560; Mont., distr., 50:589
carolinensis carolinensis, anting, 45:136; breed., 48:328
carolinensis leucotis, Wis., hab., 41:125
carolinensis pennsylvanicus, N. Y., 44:124
diardii, 43:260
granatensis, Colombia., distr., 45:326
leucotis, 44:124
niger, 45:607; Ind., 41:257; Minn., pop., wt., 41:272; N. Mex., 41:403; Colo., pred., 42:101; Penn., 42:117; behav., 44:274; os clit., 49:41; anom., 49:345; Ark., 49:530; Ill., mating, 49:531; Mont., distr., ecol., 50:589
niger rufiventer, Ind., 41:257; Okla., 42:237; N. Y., distr., 44:124
poliopus cervicalis, 46:692
poliopus senex, Michoacan, distr., ecol., 42:121
rubriventer, 41:113
vulgaris, 49:532; photoperiod, 50:542
Scleronycteris, 47:231
Scotinomys, comp., 41:492; zoogeog., 48:414
harrisi, meas., hab., 48:415
longipilosus, Costa Rica, penis, hab., comp., meas., 41:492
teguina, distr., 48:414
teguina *stenopygius,* 48:414
Scotland:
Cervus elaphus, 47:152
Rattus norvegicus, 50:321
Scotophilus *alvenslebeni,* 46:258; tax., desc., syn., 47:134
belangeri, India, breed., 41:386
gigas, tax., desc., syn., 47:134
heathi, India, breed., 41:386; West Pakistan, 48:395
temminckii, Java, 50:836
Seabloom, R. W.:
Daily motor activity and corticosterone secretion in the meadow vole, 46:286
Sealander, J. A.:
Some noteworthy records of Arkansas mammals, 41:525
Hematological values in deer mice in relation to botfly infection, 42:57
The influence of body size, season, sex, age, and other factors upon some blood parameters in small mammals, 45:598
First record of small-footed Myotis in Arkansas, 48:666
(see Preston, J. R.)
Sea lion, behav., 41:347
Seal, handling tech., 47:543; meas., 48:459
crabeater, 46:42; wounds, 47:320
eared, fos., 45:53
Weddell, 43:275
Seaman, G. A., and J. E. Randall:
The mongoose as a predator in the Virgin Islands, 43:544
Seasonal changes, Sorex, braincase, 44:523
Seasonal variation, Microtus pennsylvanicus, 44:467
Seatomys pratensis, Mozambique, 49:121
Seidel, D. R.:
Homing in the eastern chipmunk, 42:256
Selenaletes, tax., dent., 47:632
Selenarctos thibetanus, hearing, 50:567
Seliger, W. G., J. A. Erickson, and R. N. Denney:
Histology and anatomy of the wapiti canine, 50:350
Selson, C. J.:
(see Stott, K., Jr.)
Senger, C. M.:
(see Forrester, D. J.)
Senses:
Onychomys leucogaster, 41:99
Potorous, 41:448
Serengetilagus, 44:6
Sergeant, D. E.:
On the external characters of the blackfish or pilot whales (genus Globicephala), 43:395
Serum:
Dipodomys merriami, protein, 48:477
Perognathus, protein, 41:407
Peromyscus, albumin, 49:420
Spermophilus, transferrins, 50:649
Thomomys, protein, 49:544
Setifer setosus, behav., repro., develop., 47:660
Setonix brachyurus, 50:631; Australia, repro., 45:616; Australia, blood, pop. dens., 49:124; behav., 50:8; thermoreg., 50:556
Setzer, H. W.:
The baculum of Poecilictis libyca, 41:138
Setzler, E.:
(see Wilber, C. G.)
Severinghaus, C. W.:
(see Goss, R. J.)
Severson, R. G.:
(see Long, C. A.)
Sex ratios:
Blarina brevicauda, 47:188; 49:210
Citellus tridecemlineatus, 47:304
Didelphis, 45:120
difference due to trapping, 49:96
Eptesicus fuscus, 45:475
Geomys, 43:1
Marmota flaviventris, 50:756
Microtus pennsylvanicus, 49:96
Monachus schauinslandi, 49:231
Myotis lucifugus, 45:475; 46:298
Myotis velifer, 46:625
Nycticeius humeralis, 48:2, 131
Ochotona princeps, 48:315
Peromyscus, 44:180
Peromyscus maniculatus, 48:589
Pipistrellus subflavus, 47:391; 49:134
Procyon lotor, 49:71
Sorex, 47:188
Spilogale putorius, 49:386
Tadarida, 43:51
Sexual dichromatism, Lemmus, 45:490

Sexual dimorphism:
Callorhinus ursinus, 47:143
Chalinolobus dwyeri, 47:717
mammals, Malaysian, 46:588
Molossus molossus, 47:237
Odocoileus virginianus, 47:266
Sexual maturity:
Sylvilagus, 44:426
Tadarida brasiliensis, 42:533
Sexual variation, Perognathus penicillatus, 48:363
Shackelford, N.:
Eastern chipmunk feeding on a starling, 47:528
Shackelford, R. M.:
(see Rust, C. C.)
Shadowen, H. E.:
A live-trap study of small mammals in Louisiana, 44:103
Shanks, C. E.:
(see Elder, W. H.)
Sharma, D. R.:
Coprophagy in shrews, 43:262
Sharma, D. R., S. Sivaram, and K. Verma:
Indian palm squirrel "playing possum," 41: 515
Sharma, H. L.:
(see Gupta, B. B.)
Sharman, G. B.:
(see Berger, P. J.)
Sharp, H. F., Jr.:
Food ecology of the rice rat, Oryzomys palustris (Harlan), in a Georgia salt marsh, 48:557
Shaw, J. H.:
The bushy-tailed wood rat in southeastern Alaska, 43:431
Shelar, E.:
(see Wetzel, R. M.)
Sheldon, W. G., and W. G. Toll:
Feeding habits of the river otter in a reservoir in central Massachusetts, 45:449
Shellhammer, H. S.:
Cone cutting activities of Douglas squirrels in sequoia groves, 47:525
Cytotaxonomic studies of the harvest mice of the San Francisco Bay region, 48:549
(see Blanks, G. A.)
(see Catlett, R. H.)
Shemanchuk, J. A., and H. J. Bergen:
The Gen trap, a simple, humane trap for Richardson's ground squirrels, Citellus richardsonii (Sabine), 49:553
Sheppard, D. H.:
Seasonal changes in body and adrenal weights of chipmunks (Eutamias), 49: 463
Sheppe, W.:
Population structure of the deer mouse, Peromyscus, in the Pacific Northwest, 44:180
Dispersal by swimming in Peromyscus leucopus, 46:336
Unseasonal breeding in artificial colonies of Peromyscus leucopus, 46:641
Periodontal disease and supernumerary teeth in a population of Mus musculus, 47:519
Sheri, A. N.:
(see Taber, R. D.)
Sherman, C. A.:
(see Lawrence, W. H.)
Sherman, G. R.:
(see Blus, L. J.)
Shield, J.:
A breeding season difference in two populations of the Australian macropod marsupial (Setonix brachyurus), 45:616
Shkolnik, A., and A. Borut:
Temperature and water relations in two species of spiny mice (Acomys), 50:245
Shock disease, Lepus, 46:417
Shomura, R. S., and T. S. Hida:
Stomach contents of a dolphin caught in Hawaiian waters, 46:500
Short, C. P.:
(see Short, H. L.)
Short, H. L.:
Fall breeding activity of a young shrew, 42:95
Food habits of a captive least weasel, 42: 273
Age at sexual maturity of Mexican free-tailed bats, 42:533
Notes and comments on mandibular malformations in deer, 45:319
(see Herreid, C. F., II)
Short, H. L., D. E. Medin, and A. E. Anderson:
Ruminoreticular characteristics of mule deer, 46:196
Short, H. L., and C. P. Short:
Abnormal dentition in a Colorado mule deer, 45:315
Shrew, short-tailed, apocrine gl., 41:218
Siam, coll., 44:471
Sibbaldus musculus, abnorm., swimming, 42: 419; occur., 49:260
Siberia, Odobenus, 45:490
Sicista, napaea, subtilis, 47:210
Sickled cell, Muntiacus, 45:492
Siebenaler, J. B.:
(see Caldwell, D. K.)
Siegel, N. J.:
(see Walton, D. W.)
Siegmund, O. H.:
Further notes on cuterebrid infestation, 45:149
Siglin, R. J.:
(see Bailey, J. A.)
Sigmodon, 41:494; 45:605, 613; 49:122; distr., comp., 41:467; N. Mex., pop., 42: 14; Ga., 42:106; N. Mex., geog., var., 44:307; gls., 44:541; fd., 48:561
cortisi, 50:376
fulviventer, Ariz., N. Mex., chromo. polymorphism, 50:334
fulviventer minimus, ecol., 47:345
hilli, 50:375
hispidus, 42:13; 49:268, 482; 50:97, 126, 337, 378, 630; Neb., distr., 41:132; Sonora, 41:282; Oaxaca, 41:415; N. Mex., 41:464; Ga., behav., 42:106; tracked, 42:469; Tenn., oil disposal effect, 42:555; Okla., abnorm., 43:269;

Colo., distr., 44:126; Ga., pop., 45:305; Ark., 45:471; genital struct., 45:493; blood, 45:598; S. C., 46:1; gls., 46:32; wt., meas., emb., 46:100; sex, age, wt., var., 46:471; gls., 46:699; pop. dens., age, repro., lens wt., bacu., meas., 47:138; Nev., hab., 47:349; Tenn., ectopar., 48:40; vaginal epithelium, 48:308; Nicaragua, hab., 50:37; fd., 50:475; Ala., pop. ecol., pred., 50:609; Venezuela, chromo., 50:810
hispidus berlandieri, 46:514; color var., 49:317
hispidus cienegae, color, 49:317
hispidus confinis, color, 49:317
hispidus hispidus, 45:608; behav., pop. dynamics, trap response, 47:119
hispidus komarecki, 46:514; Tenn., mort., 42:265; Tenn., lit. size, 43:428
hispidus major, 43:283
hispidus plenus, Nev., 47:349
hispidus texianus, 44:126; Neb. distr., 41:132; Okla., 42:238; distr., 42:267; Okla., 42:337; Okla., lit. size, fetus, 46:514
intermedius, 50:375
madrensis, 41:462
medius, 50:375
melanotis, Michoacan, distr., 42:122
minimus, 42:13; 44:307
minor, Ariz., fos., 50:375
ochrognathus, Ariz., N. Mex., Chihuahua, Coahuila, Tex., distr., geog. var., hab., 41:462
ochrognathus baileyi, ecol., 47:345
saturatus, Oaxaca, 41:415
Sikkim, Mus musculus, 47:733
Silvicapra grimmia orbicularis, Mozambique, 46:261
Simia, 44:214
anubis, nomen., 41:403
rosalia, 41:113
Simidectes, 46:394
Simimys, 44:249
Simmons, N. M.:
Observations of mammals in the Cabeza Prieta Game Range area, Arizona, 47:122
Simmons, N. M., S. Levy, and J. Levy:
Observation of desert bighorn sheep lambing, Kofa Game Range, Arizona, 44:433
Simpson, G. G.:
A new record of Euceratherium or Preptoceras (extinct Bovidae) in New Mexico, 44:583
Sinaloa:
Dasypterus, 41:511
Eptesicus fuscus, 48:285
faunal list, 42:120
Lasiurus cinerus, 48:285
Leptonycteris nivalis, 47:329
Perognathus artus, 48:36
Perognathus pernix, 48:36
Sylvilagus, 44:518
Singh, R. P., and D. B. McMillan:
Karyotypes of three subspecies of Peromyscus, 47:261
Sivacyon curvipalatus, 45:285
Sivaram, S.:
(see Sharma, D. R.)
Skaley, J. E.:
(see Maurer, F. W., Jr.)
Skeels, M. A.:
Nesting behavior of Sylvilagus auduboni neomexicanus, 43:542
Skeletal remains, Halichoerus, Urocyon, Vulpes, arch. sites, 48:139
Skin:
Dipodomys stephensi, pigment, 48:627
rat, 47:285
Tamandua tetradactyla, 47:280
Skryja, D. D.:
(see Clark, T. W.)
Skull:
cleaning, Dermestes, 44:283
curvature, tax., char., 41:526
Skunk, 45:180
Slaughter, B. H.:
A new coyote in the late Pleistocene of Texas, 42:503
Astroconodon, the Cretaceous triconodont, 50:102
Sleep, Spermophilus undulatus, 44:575
Slijper, E. J., obit., 50:386
Sloan, R. E.:
(see Sowls, L. K.)
Sloth, Fla., 41:461; fos., 42:545
Smiley, D.:
(see Hough, F.)
Smilodon, comp., 46:578; Mo., fos., 50:367
californicus, 46:578; 50:367
Smilodontopsis mooreheadi, 42:277
Sminthopsis:
crassicaudata, repro., photoperiod, 50:132; thermoreg., 50:556
larapinta, thermoreg., 50:556
Smith, C. D.:
(see Mitchell, H. A.)
Smith, D. A.:
On the use of tapered tail wires for study skins of small mammals, 49:787
Smith, E., and W. Goodpaster:
A free-tailed bat found in Ohio, 41:117
Smith, M. H.:
A comparison of different methods of capturing and estimating numbers of mice, 49:455
(see Gentry, J. B.)
Smith, M. H., and R. W. Blessing:
Trap response and food availability, 50:368
Smith, M. S. R.:
(see Flyger, V.)
Smith, N. B., and F. S. Barkalow, Jr.:
Precocious breeding in the gray squirrel, 48:328
Smith, V. R.:
(see Sowls, L. K.)
Snyder, R. L., D. E. Davis, and J. J. Christian:
Seasonal changes in the weights of woodchucks, 42:297
Social structure:
Aepyceros, 43:375
gazelles, 48:198
Mus musculus, 47:28; 48:88
Zalophus californianus, 48:63

Sodium availability, Microtus pennsylvanicus, 46:595
Solenodon, behav., 47:666
Solisorex, relationship to Crocidurinae, 46:193
Solomon Islands:
Anamygdon, 46:517
Melonycteris, 47:23
Nesonycteris, 47:23
Pteropus, 42:252
Rattus exulans, 48:649
Rattus rattus, 48:649
Somalia, Gazella, 48:194
Somaliland, Rhinodorcas, 41:113
Sonora:
Antrozous pallidus, 46:331; 48:285
Artibeus, 46:331, 497
Choeronycteris, 46:331
Desmodus, 46:497
Eptesicus, 46:331
Eutamias dorsalis, 46:501
faunal list, 41:282
Glossophaga, 46:330, 497
Lasiurus, 46:331
Lasiurus ega, 48:285
Leptonycteris sanborni, 47:329
Lutra annectens, 45:634
Macrotus californicus, 44:543; 46:331
Macrotus waterhousii, 46:497; 49:707
Myotis spp., 46:331; 48:284
Natalus, 42:403; 46:497
Perognathus, 48:36
Peromyscus eremicus, 41:305; 46:497
Peromyscus merriami, 42:305
Pipistrellus hesperus, 46:331; 48:285
Pizonyx, 46:497
Pteronotus, 46:497
Rhogeessa parvula, 46:331; 48:285
Sturnira, 46:330, 497
Sylvilagus, 44:514
Tadarida brasiliensis, 46:331; 47:149
Tadarida femorosacca, 46:331
Sorensen, M. F.:
(see Holler, N. R.)
Sorenson, M. W., and C. H. Conaway:
The social and reproductive behavior of Tupaia montana in captivity, 49:502
Sorex, 41:112, 230; abnorm. color, 41:506; Ohio, Ariz., 42:96; fd., 42:516; Palearctic, 44:523; Tenn., 45:146; Calif., pop., 45:181; Manitoba, 47:181; Colo., concentration, 48:462
alpinus, meas., 44:532
araneus, 43:262; 46:432; 47:210; 49:212, 726; 50:336; repro., 42:95; var., 44:529; Germany, Czechoslovakia, Bulgaria, U. S. S. R., 44:534; develop., 49:51; England, pop. ecol., home range, par., 50:326; behav., 50:494
arcticus, 47:181; 48:122; 49:210; Wis., 41:236; var., 44:523; Alaska Peninsula, 48:125
arcticus laricorum, 47:182
arcticus tundrensis, 49:251
asper, var., U. S. S. R., 44:523
buchariensis, 41:112
caecutiens, 47:210; 48:122; var., 44:523
cinereus, 41:232, 254; 43:282; 45:148, 605; 46:425; 49:133, 210; 50:330; Wis., 41:263; white, 41:506; Mich., 42:26; Mich., repro., 42:95; Minn., 42:177; Colo., 42:415; 44:119; Newfoundland, New Brunswick, 44:277; N. C., 44:581; 48:310; 49:539; Ohio, 46:45; pred., 46:495; Alaska Peninsula, Aleutian Is., 48:122; zoogeog., 48:126; Wyo., hab., trapping, 48:617; repro., morph., 48:644; Ga., 49:158; Saskatchewan, 50:296; behav., 50:497
cinereus cinereus, 45:601; Quebec, 42:282; Manitoba, pred., 47:181
cinereus ohioensis, 49:251; Ind., 41:254; Ohio, alb., 42:95
dispar, 49:133; type loc., 47:130
fumeus, 45:605; 47:188; 49:133, 158, 210; molt, 43:423; New Brunswick, 44:278; N. C., 44:581; 49:539
fumeus fumeus, 45:601; N. C., distr., rev., 46:499
gaspensis, New Brunswick, 44:278
hydrodromus, 48:122; zoogeog., 48:126
longirostris, 45:146; 49:158; Ind., 41:254; Ark., Tenn., 41:526; Miss., 42:252; Mo., 42:527; S. C., 46:4; Miss., nest, 46:495; repro. morph., 48:664; N. C., 49:539
merriami, 41:232; N. M., 42:399; Neb., distr., 43:492; Wyo., 44:129; Colo., 48:452; Neb., 48:493; Wyo., hab., trapping, 48:617; Mont., distr., 50:581
merriami leucogenys, Nev., 44:582
minutissimus, 47:210
minutus, 47:210; var., 44:523; develop., 49:51; England, 50:328
nanus, Mont., hab., 41:231; Ariz., distr., 49:96; N. Mex., 42:399; N. Mex., cave deposit, 46:208; Colo., 48:462; Wyo., hab., trapping, 48:617; Mont., distr., ecol., 50:581
oreopolus ventralis, Oaxaca, distr., ecol., 42:120
ornatus, 42:95; 47:188; Calif., 43:416
palustris, 42:123; 48:122; 49:210; Wyo., dent., abnorm., 42:527; odor, 47:683; Wyo., hab., trapping, 48:617
palustris albibarbus, Quebec, 42:282; Conn., 45:311
palustris navigator, 49:251; Utah, distr., 42:123; 46:685; Mont., hab., 48:475
palustris palustris, Manitoba, hab., 47:182
personatus, 41:232
preblei, Mont., distr., ecol., 50:579
pribilofensis, 48:122
raddei, U. S. S. R., var., 44:523
saussurei saussurei, 49:251
sinuous [*sic*], 42:95; sinuosis [*sic*], 43:135 [= sinuosus]
tenellus, Nev., 44:582; Nev., ecol., 45:397
trowbridgii, 46:429
tundrensis, trap., 41:141
unguiculatus, var., 44:523
vagrans, 47:188; 49:210; Mont., Wyo., hab., 41:120; Utah, distr., 42:122; N. Mex., 42:399; Calif., alb., 43:416; Colo., 44:119; 48:462; N. Mex., cave deposit, distr., 46:206; Alas. Peninsula, Aleutian

Is., 48:125; home range, 48:490; Wyo., hab., trapping, 48:617; behav., 50:494
veraepacis, 48:321
vir, var., U. S. S. R., 44:523
Sotalia fluviatilis, S. guianensis, South America, distr., 44:99
Sounds:
Antilocapra americana, 50:647
Citellus, 47:440
Citellus tridecemlineatus, 47:322
Lemmus lemmus, 47:447
Leptonychotes weddellii, 49:287
Marmota flaviventris, 47:447
Megaptera novaeangliae, 48:573
Noctilio leporinus, 48:81
Peromyscus, 47:287
Pizonyx vivesi, 48:81
South Africa:
Pedetes, 46:419
Procavia capensis, 47:545
South America, coll., 44:471
South Atlantic, Dasypterus ega, 42:530
South Carolina:
faunal list, 46:1
Mus musculus, 45:12
Myotis lucifugus, 49:116
Odobenus rosmarus, 41:499
Peromyscus, 45:95
Peromyscus polionotus, 45:12; 50:368
Phoca, 42:425
Sigmodon, 47:119
South Dakota:
Citellus, 41:403
Mustela nigripes, 50:619
Myotis thysanodes, 48:231
Perognathus, 42:103
Peromyscus maniculatus, 50:813
Spilogale putorius, 48:606
Urocyon, 44:283
Vulpes, 44:283
Southern, H. N., and O. Hook:
A note on small mammals in East African forests, 44:126
Southern Rhodesia:
Aepyceros melampus, 43:375, 535; 45:629
Connochaetes, 43:534
Equus, 43:534
Giraffa, 43:534
Kobus ellipsiprymnus, 43:535; 45:629
Phacochoerus aethiopicus, 45:629
Syncerus caffer, 43:534
Southhampton Island, Lasiurus, 45:461
Southwick, C. H., A. Ghosh, and C. L. Louch:
A roadside survey of rhesus monkeys in Bengal, 45:443
Southworth, T. P.:
(see McGinnis, S. M.)
Sowls, L. K.:
Gestation period of the collared peccary, 42:425
(see Brown, H. W.)
Sowls, L. K., and R. J. Phelps:
Body temperatures of juvenile warthogs and bushpigs, 47:134
Sowls, L. K., V. R. Smith, R. Jenness, R. E. Sloan, and E. Regehr:
Chemical composition and physical properties of the milk of the collared peccary, 42:245
Spalax, 47:217
leucodon, 47:210; Greece, Turkey, hab., fd., 42:359
microphthalmus, 47:210
Spalding, D. J.:
Eruption of permanent canine teeth in the northern sea lion, 47:157
Sparks, D. R.:
Occurrence of milk in stomachs of young jackrabbits, 49:324
Spatial relationships, Peromyscus, 45:95
Speed, bats, 45:236
Spencer, A. W., and H. W. Steinhoff:
An explanation of geographic variation in litter size, 49:281
Spencer, D. L.:
(see Baker, R. J.)
Speothos, teeth, 45:284
Spermophilopsis leptodactylus, torpor, 46:489
Spermophilus (see also Citellus), 49:284; nomen., 41:538, 546; gls., 46:34; chromo., syst., 47:579; chromo., 47:595; Calif., serum, 50:649; olfact., 50:771
armatus, 50:635; gls., 46:31; chromo., syst., hab., 47:580
beecheyi, 50:649, 774; adrenal gl., 46:446; Calif., breed., capt., 49:781
beldingi, 50:47, 649; comp., 46:446; chromo., syst., hab., 47:580
brunneus, chromo., syst., hab., 47:580
columbianus, chromo., syst., hab., 47:580; Mont., distr., 50:588
columbianus columbianus, Ida., Mont., 47:581
franklini, chromo., 47:595
lateralis, 50:649; gls., 46:31; catabolism, water bal., 50:355; Mont., distr., 50:589
lateralis lateralis, growth, 50:627
mexicanus, chromo., 47:595
mexicanus parvidens, karyo., tax., 47:50; Tex., 49:536
pygmaeus, repro., 50:758
richardsonii, 44:131; 50:336; gls., 46:31; chromo., syst., hab., 47:580; subsp., karyo., 49:312; Mont., distr., tax., ectopar., 50:588
spilosoma, subsp., karyo., tax., 47:51
tereticaudus, 49:20; 50:160, 649
townsendii, 50:336; chromo., hab., syst., 47:580
tridecemlineatus, 47:294; 50:99; comp., 46:449; subsp., karyo., 47:50; Saskatchewan, 50:296; photoperiod, 50:542
undulatus, sleep, 44:575; chromo., syst., hab., 47:580; tooth eruption, 48:472
washingtoni, Wash., 47:581
Speth, R. L.:
Patterns and sequences of molts in the Great Basin pocket mouse, Perognathus parvus, 50:284
Speth, R. L., C. L. Pritchett, and C. D. Jorgensen:
Reproductive activity of Perognathus parvus, 49:336

Spilogale:
ambarvalis, 41:365
gracilis, 41:365; Mont., distr., 50:597
interrupta, 41:365
putorius, 42:276, 422; Ind., 41:111; Pleist., 41:364; Puebla, 41:519; Ill., 42:119; prey size, 47:605; La., 47:325; age, 48:606; repro., 49:373
putorius latifrons, age, 48:606; repro., 49:373
putorius, leucoparia, N. Mex., gest., 42:421; repro., 49:373
putorius phenax, repro., 49:373
Spleen:
Mus musculus, 47:31; 49:122
Peromyscus, 42:53; wt., 50:316
Thomomys, size, 44:578
Squirrel, California ground, home range, 48:529
Stabile, A. J.:
(see Brattstrom, D. H.)
Stachomys, comp., 46:469
Stafford, R.:
(see Handley, C. O., Jr.)
Stains, H. J.:
Unusual behavior of a fox squirrel, 44:274
Female red bat carrying four young, 46:333
Stains, H. J., and L. Calvert:
Unusual death of small mammals, 43:422
Stains, H. J., J. Ozment, and A. Lippoldt:
An electric fence enclosure for small mammals, 42:391
Stains, H. J., and D. Stuckey:
Another Reithrodontomys from Illinois, 41:131
Brachial-antebrachial stripes on a striped skunk, 41:139
Stains, H. J., and R. W. Turner:
Harvest mice south of the Illinois River in Illinois, 44:274
Stanley, W. C.:
(see Jones, J. K., Jr.)
Stanley, W. F.:
(see Benton, A. H.)
Starrett, A.:
The penis of Scotinomys longipilosus and a second specimen from Costa Rica, 41:492
Starrett, A., and F. J. Rolle:
A record of the genus Lasiurus from Puerto Rico, 44:264
Stay, F.:
(see Moor, K.)
Stearns, E. I.:
(see Van Deusen, H. M.)
Stecher, R. M.:
Anatomical variations of the spine in the horse, 43:205
Stegeman, L. C.:
A melanistic chipmunk, 41:515
Steinbok, 41:166
Steinhoff, H. W.:
(see Spencer, A. W.)
Stenella, comp., 46:453
attenuata, Hawaii, stomach contents, 46:500
coeruleoalbus, 49:163
graffmani, par., 50:149
microps, behav., 44:586
plagiodon, Gulf of Mexico, distr., hab., par., 41:134
roseiventris, 50:150
styx, Gulf of Mexico, meas., tax., 50:612
Steno bredanensis, Galapagos Archipelago, 46:101
Stenocranius, 47:210
Stenoderma rufum, Puerto Rico, meas., partu., 47:352; Puerto Rico, fos., 49:407
Stentor flavicaudatus, 44:241
Stephens, R. C.:
(see Loomis, R. B.)
Stephenson, A. B.:
Temperatures within a beaver lodge in winter, 50:134
Stevens, M. S.:
A new species of Urocyon from the Upper Pliocene of Kansas, 46:265
Stevenson, H. M.:
Occurrence and habits of the eastern chipmunk in Florida, 43:110
Stewart, G. R., and A. I. Roest:
Distribution and habits of kangaroo rats at Morro Bay, 41:126
Stewart, P. A., and N. C. Negus:
Recent record of wolf in Ohio, 42:420
Stewart, R. H.:
(see Auderson, A. E.)
Stickel, L. F.:
Peromyscus ranges at high and low population densities, 41:433
A method for approximating range size of small mammals, 46:677
Stinson, R. H.:
(see Ogilvie, D. M.)
Stirling, I.:
A technique for handling live seals, 47:543
Birth of a Weddell seal pup, 50:155
Tooth wear as a mortality factor in the Weddell seal, Leptonychotes weddelli, 50:559
Stirling, I., and E. D. Rudolph:
Inland record of a live crabeater seal in Antarctica, 49:161
Stirton, R. A., obit., 48:298
Stock, A. D., and W. L. Stokes:
A re-evaluation of Pleistocene bighorn sheep from the Great Basin and their relationships to living members of the genus Ovis, 50:805
Stockley, B. H.:
(see Waters, J. H.)
Stoddart, R. C.:
(see Barnett, S. A.)
Stokes, W. L.:
(see Stock, A. D.)
Stomach contents:
Antrozous, 42:66
Euderma maculatum, 42:66
Eumops perotis, 42:66
Lasiurus borealis, 42:66
Microtus, 46:609
Tadarida, 42:66
Stomach histology, microtines, 50:60
Stones, R. C.:
Laboratory care of little brown bats at thermal neutrality, 46:681

Stones, R. C., and L. P. Branick:
Use of hearing in homing by two species of Myotis bats, 50:157
Stones, R. C., and G. C. Haber:
Eastern pipistrelle in Michigan, 46:688
Stones, R. C., and T. Oldenberg:
Occurrence of torpid Myotis lucifugus in a cold mine in summer, 49:123
Stones, R. C., and J. E. Wiebers:
Seasonal change in food consumption of little brown bats held in captivity at a "neutral" temperature of 92° F., 46:18
Activity and body weight of Myotis lucifugus at a low temperature, 46:94
Body weight and temperature regulation of Myotis lucifugus at a low temperature of 10°C, 47:520
Storer, T. I.:
Mammalogy and the American Society of Mammalogists, 1919–1969, 50:785
Storm, G. L.:
(see Sunquist, M. E.)
Storm, G. L., and E. D. Ables:
Notes on newborn and full-term wild red foxes, 47:116
Storm, G. L., and G. C. Sanderson:
Housing and reproductive performance of an outdoor colony of voles, 49:322
Effect of medroxyprogesterone acetate (Provera) on productivity in captive foxes, 50:147
Storm, G. L., and B. J Verts·
Movements of a striped skunk infected with rabies, 47:705
Story, J. D.:
(see Dunaway, P. B.)
Stott, K., Jr.:
Stuhlmann's blue monkey in the Kayousa Forest, Uganda, 41:400
Stott, K., Jr., and C. J. Selson:
Color variation in Bornean gray gibbons, 42:99
Stout, J.:
(see Pedersen, R. J.)
Stranding, Eschrichtius, 45:91
Streeter, R. G.:
(see Braun, C. E.)
Strepsiceros strepsiceros, longev., 41:113
Stress syndrome, Setonix brachyurus, 50:18
Stroud, R. K.:
Risso dolphin in Washington state, 49:347
Struhsaker, P.:
An occurrence of the Minke whale, Balaenoptera acutorostrata, near the northern Bahama Islands, 48:483
Struhsaker, T. T.:
Morphological factors regulating flight in bats, 42:152
Stuckey, D.:
(see Stains, H. J.)
Studier, E. H.:
Serum protein fluctuations during the reproductive cycle of female Merriam's kangaroo rats, 48:477
(see Riggs, J. A.)
Studier, E. H., L. R. Beck, and R. G. Lindeborg:
Tolerance and initial metabolic response to ammonia intoxication in selected bats and rodents, 48:564
Studier, E. H., and D. J. Howell:
Heart rate of female big brown bats in flight, 50:842
Stull, J. W.:
(see Brown, W. H.)
Stull, J. W., W. H. Brown, and G. L. Kooyman:
Lipids of the Weddell seal, Leptonychotes weddelli, 48:642
Stull, J. W., W. H. Brown, G. L. Kooyman, and W. H. Huibregtse:
Fatty acid composition of the milk fat of some desert mammals, 47:542
Stupka, A.:
Second specimen of least weasel from North Carolina, 41:519
Sturnira:
lilium, Mexico, 42:537; Brazil, hab., 44:22; Trinidad, 44:396; Sonora, distr., 46:330; Colombia, fd., 48:653; act., 49:755
lilium parvidens, Colombia, meas., 44:173; distr., 46:497; Guatemala, 49:518; Zacatecas, 49:743
ludovici, 46:691; 50:821; Colombia, 43:107; Colombia, meas., 44:174; act., 49:755
mordax, Costa Rica, 45:375; 50:809
parvidens lilium, Colombia, distr., 44:263
Styloctenium wallacei, Celebes, bacu., 43:39
Suckling, Myotis velifer, Tadarida brasiliensis, 47:524
Sudan, Gazella, 48:194
Sugar level, Citellus lateralis, 48:381
Sugden, L. G.:
An antlered calf moose, 45:490
Sumatra, coll., 44:471
Suncus murinus, coprophagy, 43:262; meas., wt., repro., lit. size, geog. var., 47:73; West Pakistan, 48:395; scent, 48:420; repro., morph., 48:664; repro., develop., 49:51; vocalization, 50:499
Sundasciurus, 45:475
Sunquist, M. E.:
Effects of fire on raccoon behavior, 48:673
Sunquist, M. E., G. G. Montgomery, and G. L. Storm:
Movements of a blind raccoon, 50:145
Survival:
heteromyids, 48:541
Microtus agrestis, 47:393
Pipistrellus subflavus, 47:387
Sorex, 47:189
Tadarida, 44:431
Thomomys, 46:508
Sus, 48:637
cristatus, India, breed., 41:387
scrofa, 47:210; India, breed., 41:387; Ontario, 46:355; U. S. S. R., 47:355; Tokelau Is., 47:703; antigens, 50:137
scrofa cristatus, West Pakistan, 48:403

Suthers, R. A.:
Comparative echolocation by fishing bats, 48:79
Sutton, D. A.:
A temporary preservative for small mammals, 43:264
(see Adams, D. R.)
Sutton, D. A., and C. F. Nadler:
Chromosomes of the North American chipmunk genus Eutamias, 50:542
Sutton, R. W.:
Range extension of raccoon in Manitoba, 45:311
Sweden:
Clethrionomys, 43:176
Lemmus lemmus, 43:171; 47:490
Microtus, 43:176
Myotis, 43:176
Swift, R. W.:
(see French, C. E.)
Swimming:
Mesocricetus, 44:265
Microtus, 41:273; 42:39
Peromyscus, 46:336
Pteropus, 41:264
small mammals, 42:428
whales, 42:419
Swindler, D. R.:
(see Aulerich, R. J.)
Syconycteris:
australis, New Guinea, bacu., 43:41
crassa, Netherlands New Guinea, 41:395
papuana, Netherlands New Guinea, 41:395
Sylvicapra grimmia, Tanganyika, hab., 41:166; Southern Rhodesia, 43:535
Sylvilagus, 44:130, 284; 45:605; 50:838; wt., 43:362; tooth pat., 44:1; Calif., pop., 45:181; Calif., fos., 46:347; pituitary cell frequency, 47:397
aquaticus, 44:2; Ind., distr., 42:99; La., color, 47:324; behav., 50:832
auduboni, 44:2; temp., 41:114; Ariz., hab., 41:517; Utah, distr., 42:123; Colo., 42:173; trap records, 42:513; rev., geog. var., 44:501; pred., 47:143; Mont., distr., 50:583
auduboni arizonae, 44:501; 46:685; Nev., ecol., 45:397
audubonii neomexicanus, Okla., 42:237; Kans., behav., 43:542
bachmani, 44:2; longev., 42:99
brasiliensis, 42:408; 44:2
cunicularis, 44:2; Mexico, fos., 42:408
floridanus, 41:275; 42:116; 44:2; 45:607; 47:528; 50:116; Ind., 41:111; lit., 41:119; longev., 42:99; Mich., 43:223; distr., 44:120; Ill., lit., 44:416; sexual maturity, 44:426; comp., 44:501; pred., 47:346, 529; dent. anom., 48:321; homing, 48:648; Vt., 49:93; aging, 50:624
floridanus alacer, 45:601; Ala., erythrism, 42:255
floridanus connectens, 42:408
floridanus holzneri, 44:120; Ariz., distr., 45:323
floridanus llanensis, Okla., 42:237; Kans., 43:542
floridanus mallurus, N. C., Ga., repro., 42:254; alb., 42:541
floridanus mearnsii, 42:254; Ind., 41:256; lit., 41:119; Neb., distr., 42:92; Ill., alb., 42:541; fd., 47:129; abnorm. repro. tract, 47:141; adrenal gl., 48:475; digestion, 49:340
floridanus purgatus, Colombia, 45:326
floridanus restrictus, 44:120; Michoacan, distr., 42:122
graysoni, 44:2
idahoensis, Mont., distr., ecol., 50:583
nuttalli, 44:2; comp., 44:508
nuttalli grangeri, Utah, distr., 42:123; Nev., ecol., 45:397
palustris, 44:2; Ga., hab., 41:269; Ga., growth, par., 47:527
transitionalis, 44:2; alb., 42:541; N. C., 44:581; 49:539
Symansky, A.:
(see Peterson, R. S.)
Symbos:
cavifrons, 42:114; 50:807
convexifrons, Neb., fos., tax., 42:114
Synaptomys, 42:188
borealis, Manitoba, 42:194; Ungava, 43:421; New Brunswick, 44:278; seb., gls., 49:435; brain, 50:21; Mont., distr., 50:592
cooperi, 49:133; Ind., 41:258; home range, 41:404; Me., 41:416; Mich., 42:26; Ind., gls., 43:303; repro., 43:494; Ill., 44:274; Tex., distr., Pleist., fos., 44:275; N. C., 44:581; gls., 46:32; Ohio, 46:45; seb. gls., 49:435; home range, 49:485
cooperi cooperi, Quebec, 42:282
cooperi stonei, 41:259; R. I., 45:479
Syncerus caffer, Tanganyika, hab., 41:163; East Africa, wt., 43:78; Southern Rhodesia, repro., 43:534; Mozambique, 46:262

T

Tabasco:
Desmodus rotundus, 50:233
Ototylomys phyllotis, 50:38
Taber, R. D.:
(see Hoffmann, R. S.)
Taber, R. D., A. N. Sheri, and M. S. Ahmad:
Mammals of the Lyallapur Region, West Pakistan, 48:392
Tachyglossus aculeatus, anesthesia, 48:316; Australia, torpor, 49:446
Tachyoryctes, 42:359
ruandae, Congo, gest., lit. size, 50:383
Tadarida, 43:185; 48:654; Ariz., 42:67
aurispinosa, 49:743; Colima, distr., 43:537; Mexico, 45:303
brasiliensis, 46:356; 47:249, 353, 551; 50:157, 360, 736; Ohio, 41:117; Okla., pel., 41:119; Tex., odors, response to cave temp., 41:396; band injury, 41:398; Ariz., 42:64; 44:272; 45:322; stomach content, 42:66; flight, 42:153; N. Mex., 42:538; Ky., fos., 43:477; Ariz., homing, 44:132; Colombia, meas., 44:178; Ariz.,

roosts, 44:428; Ariz., speed, 45:239; Okla., 45:300; act., 45:635; Sonora, 46:331; Nev., roosts, 46:507; Ariz., banded, 46:509; banding, abnorm. tail, 47:148; Okla., Texas, pop., 47:383; milk, 47:542; Calif., roosts, response to high temp., 48:52; Ark., 48:130; karyo., 48:270; ammonia toler., 48:564; Tex., 49:516
brasiliensis antillularum, Puerto Rico, fos., 49:410
brasiliensis cynocephala, Tex., 43:279; Ga., Ala., 43:478; Ark., 45:152; pregnant, 50:152
brasiliensis mexicana, 43:279; 49:769; 50:152; Kan., 42:282; Ore., 42:404; Tex., gen., 42:533; migr., sex ratio, banding, move., colonies, 43:43; Ariz., comp., 43:478; survival, 44:431; cave hab., temp. regulation, 44:560; Vt., trap, 44:578; Sonora, cave, 45:568; Kan., Neb., distr., 46:518; roosts, emergence time, flight patt., evol. emergence patt., rhythms, 47:78; band injury, abnorm. bone develop., 47:131; bleeding, 47:340; artificial suckling, 47:524; Zacatecas, 49:745; Okla., aging, 50:357
constantinei, 41:320
cynocephala, 41:184, 266; Ohio, 41:117; odor, 41:396; gls., 47:357
femorosacca, 41:265, 510; hab., 42:405; Mexico, distr., 43:103; Ariz., abnorm. color, 44:422; Ariz., speed, 45:239; Ariz., 45:322; Sonora, 46:331; Ariz., distr., 46:509; Tex., 49:515
laticaudata, 50:157; navigation, vision, 48:482
macrotis, 49:536; Tex., 49:516
mexicana, 41:266; Okla., pel., 41:119; Tex., odor, 41:396; Tex., prey, 44:574
molossa, 47:249; Ariz., 42:64; Tex., 42:253; Colo., N. Mex., Tex., 42:404; act., 45:635; distr., 47:122; brain size, 50:340
yucatanica, Tamaulipas, 41:314
Tagami, T., and P. Hayden:
An albinistic pocket mouse from Nevada, 44:415
Tagami, T. Y.:
(see French, N. R.)
Taiwan, Coelops frithi, 50:349
Talbot, L. M., and M. H. Talbot:
Flaxedil and other drugs in field immobilization and translocation of large mammals in East Africa, 43:76
Talbot, M. H.:
(see Talbot, L. M.)
Talpa, Turkey, 45:127
caeca, distr., 45:128
europaea, 47:240; Netherlands, ectopar., 45:31; distr., meas., 45:127
Tamandua, 45:325
tetradactyla, skin, 47:280
tetradactyla chiriquensis, Colombia, distr., 45:325
Tamarin, black-mantled, 41:401
Tamaulipas:
faunal list, bats, 46:33
Leptonycteris nivalis, 47:329
Myotis, 41:16
Notiosorex crawfordi, 47:345
Perognathus hispidus, 48:36
Peromyscus, 42:10
Plecotus, 42:97
Sigmodon hispidus, 50:810
Tamias:
striatus, 45:277; 49:133; 50:155; Mo., hab., 41:122; Ind., 41:256; Me., 41:416; N. Y., pel., meas., 41:514; terr., 42:30; Md., swimming, 42:428; Fla., distr., hab., 43:110; N. Y., alb., 44:577; gls., 46:31; par., 46:99; Mich., pred., 46:344; aging tech., 47:159; Ky., pred., 47:528; Minn., hiber., fat, wt. cycle, 47:715; Tenn., ectopar., 48:40; water bal., 48:466; adrenal wt., 49:463; Ark., 49:530
striatus fisheri, type loc., 44:579
striatus griseus, 41:256; Neb., distr., 42:92
striatus lysteri, 45:602; N. Y., homing, 42:256
striatus ohioensis, Ind., 41:256
striatus quebecensis, Quebec, 42:282
striatus venustus, 45:602
Tamiasciurus, prey, 42:516
douglasi, 42:537; mort., 46:707; cone-cutting, 47:525
fremonti neomexicanus, N. Mex., distr., tax., 42:321
hudsonicus, 45:276, 607; 48:40; N. Mex., 41:275; N. Y., range, pop., 41:438; Mont., 42:112; Manitoba, 42:194; fd., 42:240; Quebec, 42:282; N. Mex., distr., tax., 42:313; N. Y., color, 44:123; N. C., 44:581; gls., 46:31; Ontario, 46:354; Alberta, in hare runways, 47:541; Ga., hab., distr., fd., 49:153
Tamiina, composition, 47:580
Tamsitt, J. R.:
(see Valdivieso, D.)
Tamsitt, J. R., and D. Valdivieso:
Desmodus rotundus rotundus from a high altitude in southern Colombia, 43:106
Records and observations on Colombian bats, 44:168
Notes on bats from Leticia, Amazonas, Colombia, 44:263
Notes on some mammals from Colombia, 45:324
Taxonomic comments on Anoura caudifer, Artibeus lituratus and Molossus molossus, 47:230
Parturition in the red fig-eating bat, Stenoderma rufum, 47:352
Tamsitt, J. R., D. Valdivieso, and J. Hernández, C:
Additional records of Choeroniscus in Colombia, 46:704
Tanck, J. E.:
(see Hesselton, W. T.)
Tanganyika, faunal list, 41:161
Tanzania, Gazella, 48:189
Taphozous, 43:449; 47:79
melanopogon frentensis, 48:667
perforatus, India, breed., 41:386

Tapirus, Guatemala, 50:122
bairdii, T. californicus, T. haysii, T. panchaque, T. terrestris, fos., comp., 45:58
Tarsius syrichta, Philippines, longev., fd., 41:512
Tasmania:
Chalinolobus morio, 47:87
Mesoplodon, 47:327; 48:650
Mirounga, 42:114
Rattus rattus, 50:487
Tatera:
afra beirensis, Mozambique, meas., 46:264
indica, India, breed., 41:387; gls., 46:33; West Pakistan, 48:399; Iraq, 50:614
Taurotragus oryx, Mozambique, 46:262; 48:190; longev., 41:113; Tankanyika, hab., 41:166; Southern Rhodesia, repro., 43:535
Taxidea taxus, 50:838; fighting, 41:139; Calif., alb., 42:275; Wyo., hab., 42:276; Utah, pred., burrows, 42:423; N. Mex., Colo., Wyo., 42:510; N. D., encounter, 44:265; Nev., ecol., 45:397; Wyo., pred., 46:506; prey size, 47:605; swimming, 48:323; bacu., 49:34; os clit., 49:41; repro., 49:374; pred. behav., 50:635
Tayassu, 50:121
pecari, Oaxaca, 41:414
tajacu sonoriensis, Ariz., distr., 45:323
Taylor, J.:
Noteworthy predation on the guano bat, 45:300
Additional mammals for Bryan County, Oklahoma, 45:640
Taylor, J. M.:
Reproductive mechanisms of the female southern grasshopper mouse, Onychomys torridus longicaudus, 49:303
(see Horner, B. E.)
Taylor, R. A.:
Columbian ground squirrel and cambium found in grizzly bear stomachs taken in the fall, 45:476
Techniques:
aging, Alouatta caraya, 47:58; Sigmodon hispidus, 47:138; Eutamias, 47:159; Loxodonta, 47:23; Tursiops, 49:163
bleeding bats, 47:340
cleaning skulls, 44:283
determining pop. size, 47:2
karyotyping, 48:27
locating radio actively-tagged mammals, 48:639
making tail wires, 49:787
measuring behavior, 42:159
measuring and recording data on Cetacea, 42:471
poisoning mammals, 44:398
preserving small mammals, 41:389
retaining food dye in digest. tract, 41:528
storage on dry ice, 45:141
tagging small mammals, 45:327
Teeth:
Caprolagus, 44:1
Cervus canadensis, canine, histol., anat., 50:350
Eutamias, 41:268
Marmota monax, number, 50:608
Microtus, 43:267
Mus, supernumerary, 47:519
Mylagaulus, homology, 47:407
Odocoileus, canine, 46:352, 528
Oryctolagus, 44:1
photographing, 47:515
Sylvilagus, 44:1
Telemetry, 47:104, 705; Procyon lotor, 47:450; home range, 48:529; Procyon pop., 49:63; Canis lupus, 49:329
Telfer, E. S.:
The status of moose in Nova Scotia, 49:325
Temperature:
Acomys cahirinus, resp., 50:247
Acomys russafus, resp., 50:247
Antrozous pallidus, roosts, response, 48:52
Blarina brevicauda, body, 46:424
Citellus, body, 41:114; response to fat implant, 43:13
Desmodus, body, 43:185
Dipodomys, body, 41:114
Dryomys, body, 45:82
Elephas, body, 44:282
Eptesicus fuscus, roosts, response, 49:48
Lepus, body, 41:114
Microtus montanus, resp., 49:215
Mirounga angustirostris, 48:484
Mus musculus, selection, 47:655; growth rate, 47:694
Myotis lucifugus, 48:465; body, 46:13
Myotis velifer, relationships, 46:624
Myotis yumanensis, roosts, response, 48:52
Neotoma, body, 41:114
Ondatra, body, 43:66
Onychomys, burrows, 46:244
Pan, body, 43:166
Perognathus hispidus, body, 43:529
Peromyscus, selection, 47:655
Phacocoerus aethiopicus, juv. body, 47:135
Pipistrellus, body, roosts, 46:276
Plecotus townsendii, arousal, 49:140
Potamochoerus porcus, body, 47:135
shrews, response to, 47:191
Sylvilagus, body, 41:114
Tadarida brasiliensis, body, regulation, 44:460; roosts, response, 48:52
Thalarctos maritimus, act., 50:380
Ursus americanus, body, 47:328
white mice, fat implant, 43:13
Zapus hudsonius, hiber., 46:70
Tenaza, R. R.:
Migration of hoary bats on South Farallon Island, California, 47:533
Tennessee:
Erethizon, 42:545
faunal list, rodents, 48:38; insectivores, 49:133
Lasiurus, 41:114
Lynx, 46:507
Martes, 42:544
Megalonyx, 42:545
Microtus ochrogaster, 49:328
Microtus pennsylvanicus, 48:310
Microtus pinetorum, 46:510; 48:40
Mustela nivalis, 49:133
Myotis leibii, 48:142

Myotis subulatus, 45:148
Ochrotomys nuttalli, 48:445
Peromyscus maniculatus, 49:133
Reithrodontomys humulis, 43:428; 48:40
Sigmodon hispidus, 42:265; 43:428; 48:40; 50:810
Sorex longirostris, 41:526; 45:146
Synaptomys cooperi, 49:133
Tamias striatus, 48:40; 49:133
Zapus, 47:123
Terman, C. E.:
Weights of selected organs of deer mice (Peromyscus maniculatus bairdii) from asymptotic laboratory populations, 50:311
Terman, C. R., and J. R. Sassaman:
Sex ratio in deer mouse populations, 48:589
Territory:
Aepyceros, 43:375
Antilocapra americana, 50:81
Castor canadensis, 49:759
Neotoma, 43:328
Setonix brachyurus, 50:16
Spermophilus armatus, 50:636
Vulpes vulpes, 50:108
Test, F. H.:
Indicated use of sight in navigation by molossid bats, 48:482
Tester, J. R.:
(see Mech, L. D.)
Tester, J. R., and J. T. Emlen, Jr.:
Plastic tiles as dropping boards for population studies of small mammals, 41:142
Tetonius, 46:394
Tetrameryx *knoxensis*, Tex., 41:20
Texas:
Antrozous pallidus, 47:359; 48:285; 49:516, 536
Astroconodon denisoni, 50:102
Atopomys, 46:466
Bison bison, 48:145
Canis, 42:503
Citellus spilosoma, 44:574
Citellus tridecemlineatus, 47:294
Diphylla ecaudata, 49:769
Dipodomys ordi, 42:337
Eptesicus fuscus, 49:516, 536
Eumops, 42:404
Eutamias, 41:241
faunal list, 49:535
Geomys bursarius, 50:348
Lasiurus borealis, 42:98; 43:279; 47:128; 49:536
Lasiurus cinereus, 43:279; 44:581; 48:285
Lasiurus seminolis, 43:279
Leptonycteris nivalis, 47:329
Microtus, 43:154
Mormoops megalophylla, 42:404; 49:516
Mustela, 42:273
Myotis austroriparius, 47:128
Myotis californicus, 49:516
Myotis velifer, 49:516
Notiosorex crawfordi, 47:345
Nycticeius humeralis, 47:128
Ochrotomys, 45:369
Odocoileus virginianus, 47:711; 48:674; 50:156
Perognathus hispidus, 48:36
Peromyscus difficilis, 42:9; 49:537
Peromyscus gossypinus, 49:475
Peromyscus leucopus, 42:494; 49:475
Pipistrellus hesperus, 48:285; 49:516
Pitymys, 44:277
Plecotus rafinesquii, 48:672
Sigmodon hispidus, 50:810
Sigmodon ochrognathus, 41:462
Spermophilus mexicanus, 47:47; 49:536
Spermophilus spilosoma, 47:47
Sylvilagus, 44:511
Synaptomys, 44:275
Tadarida brasiliensis, 41:396; 42:404, 533; 44:560; 47:383; 49:516
Tadarida femorosacca, 49:516
Tadarida macrotis, 49:516, 536
Tadarida mexicana, 44:574
Tadarida molossa, 42:253, 404
Tetrameryx *knoxensis*, 41:20
Thalarctos maritimus, James Bay, dens, 48:468; 50:380
Thamnomys rutilans, Uganda, 44:128
Theridomys, dent., 43:310
Thermogenesis, Myotis lucifugus, seas. patt., 49:791
Thermoregulation:
Antrozous pallidus, 48:52
Didelphis marsupialis, 50:550
Lama guanicoe, postural, 47:18
Myotis lucifugus, 47:520; 48:465
Myotis yumanensis, 48:52
Phacocoerus aethiopicus, 47:135
Potamochoerus porcus, 47:136
Tadarida brasiliensis, 48:52
Thiessen, D. D.:
The relation of social position and wounding to exploratory behavior and organ weights in house mice, 47:28
Thisbemys, tooth number, 50:609
Thoma, B. L., and W. H. Marshall:
Squirrel weights and populations in a Minnesota woodlot, 41:272
Thomas, J. W.:
(see Marburger, R. G.)
Thomas, J. W., R. M. Robinson, and R. G. Marburger:
Social behavior in a white-tailed deer herd containing hypogonadal males, 46:314
Thomas, M. E.:
(see Arata, A. A.)
Thomas, R., and V. B. Scheffer:
Records of ringed seals from the Pribilof Islands, 43:458
Thomas, W. D.:
Post-natal development of a gemsbok, 43:98
Thomomys, 42:386; 44:453; 45:605; 49:284; Colo., repro., 41:323; prey, 42:516; trapping, 42:543; behav., 44:451; adrenal gls., wt., meas., surgery, breed., 44:454; Calif., pop., 45:181; bacu., 49:42; serum, 50:650
bottae, 41:243; 43:3; repro., 41:39; N. Mex., 41:275; Calif., repro., 41:323; Calif., embalming, 41:391; Calif., Colo., behav., hab., 41:470; breed., behav., 42:167; Colo., burrows, 42:171; Calif.,

hab., 42:542; N. Mex., intestinal flora, burrows, 47:720; trapping, 47:729; Ariz., tax., ecol., hybrid, karyo., 49:1
bottae bottae, Calif., pop., 42:258
bottae mewa, 42:260
bottae navus, 44:243
bulbivorus, Oreg., serol., 49:545
burti proximus, 49:1
monticola, 43:4; Calif., wt. gain, 41:324; Calif., hab., 42:542; reingestion, 43:267
talpoides, 41:323; 43:3; 45:607; Colo., burrowing act., 41:469; Colo., burrows, 42:171; Mont., hab., 42:542; Wyo., 44:129; Utah, digging, 47:531; Colo., rock move., 49:391; altitude transect, lipid content, morph. var., par., adrenal wt., 49:699; Mont., distr., tax., 50:589
talpoides fossor, blood, 45:602
townsendii bachmani, Nev., serol., 49:545
umbrinus, 50:287; N. Mex., 41:276; Ariz., hab., 41:517; 44:451; gls., 46:32; Ariz., chromo., tax., ecol., hist., 49:1; Calif., serol., 49:545
umbrinus agricolaris, Calif., 44:453; Calif., spleen size, repro., meas., 44:578
umbrinus bottae, Calif., 44:453
umbrinus centralis, Nev., alb., 44:261; Nev., ecol., 45:397
Thrace, Apodemus, Arvicola, 42:105
Threlfall, W.:
Parasites of moose (Alces alces) in Newfoundland, 48:668
Thryonomys, dent., 43:310; trapping, 43:419
swinderianus, longev., 41:113; Mozambique, 49:121
swinderianus variegatus, Northern Rhodesia, 43:310
Thryptacodon, 49:661
Thylacaelurus, 46:394
Thylacine, 42:396; 44:279
Thylacinus, New Guinea, distr., 44:279
cynocephalus, breed. seas., 42:396
Thylacomys lagotis, thermoreg., 50:556
Thylogale stigmatica oriomo, New Guinea, 41:264
Thymus weights, Peromyscus, 50:316
Tiemeier, O. W., and M. L. Plenert:
A comparison of three methods for determining the age of black-tailed jackrabbits, 45:409
Tillodontia, origin, status, 44:364
Tinker, H.:
(see Dunn, L. C.)
Tlaxcala, Peromyscus, 42:12
Tokelau Islands, faunal list, 47:703
Toll, W. G.:
(see Sheldon, W. G.)
Tomich, P. Q.:
Coat color in wild populations of the roof rat in Hawaii, 49:74
(see Quay, W. B.)
Tomich, P. Q., and H. T. Kami:
Coat color inheritance of the roof rat in Hawaii, 47:423
Tomkins, I. R.:
Possible effect of a cold winter on the marsh rabbit, 41:269
Tonatia:
minuta, Honduras, 50:810
nicaraguae, Panama, 45:375
Tool using, Enhydra, 45:287
Tooth eruption, Spermophilus undulatus, 48:472
Tooth wear:
Leptonychotes weddelli, 50:559
Ondatra, 43:144
Topi, 41:164; 43:78; interspecific association, 48:197
Torpor:
Cercaertus nanus, 50:555
Myotis lucifugus, 49:123
Tachyglossus aculeatus, 49:446
Torre, L. de la:
(see Hoffmeister, D. F.)
Toxodont, 50:122
Trachops:
cirrhosus, 48:319; 50:808
cirrhosus coffini, roosts, distr., 47:126; Guatemala, 49:517
Tragelaphus scriptus, Tanganyika, hab., 41:166; Southern Rhodesia, repro., 43:535; Mozambique, 46:262
Tragulus javanicus, relationships, antigens, 50:137
Transvaal, Petromus, 43:310
Trap marker, 48:146
Trap response:
Peromyscus polionotus, 50:368
Sigmodon, 47:118
Trapp, C.:
(see Trapp, G. R.)
Trapp, G. R., and C. Trapp:
Another vocal sound made by snowshoe hares, 46:705
Trapping methods: (see also Live trap)
bait dispensing, 50:149
Citellus richardsonii, 49:553
Cryptomys, 46:649
density estimation, 49:455
Microsorex, 48:617
pit trap, 42:386
small mammals, 41:141, 436; 42:386; 43:419, 556
Sorex, 44:277; 48:613
Tremarctos ornatus, longev., 41:114
Triaenops persicus afer, Mozambique, 46:258
Trichechus, 48:143
latirostris, N. C., fos., 41:521
manatus, 41:521; Lesser Antilles, distr., 41:412
Trichosurus, thermoreg., 50:556
vulpecula, Australia, 41:441
Triconodon, dent., 50:104
Triconodonta, 50:102
Trigonias, dent., 47:636
Trigonictis cookii, T. idahoensis, T. kansasensis, 48:293
Trinidad:
Artibeus lituratus, 47:235
faunal list, bats, 44:396
Molossops greenhalli, 50:832
Noctilio leporinus, 48:79
Phyllostomus, 47:125
Pizonyx vivesi, 48:79

Trachops cirrhosus, 48:319
Uroderma bilobatum, 49:690
Vampyrum spectrum, 49:339
Trioracodon, dent., 50:104
Triplopus, dent., 47:632
Trodd, L. L.:
Quadruplet fetuses in a white-tailed deer from Espanola, Ontario, 43:414
Troyer, W. A., and R. J. Hensen:
Behavior of female brown bears under stress, 45:488
Tryon, C. A., and H. N. Cunningham:
Characteristics of pocket gophers along an altitudinal transect, 49:699
Tucuxi, 44:99
Tupaia:
chinensis, breed., behav., 49:505; vaginal smear, 50:817
glis, 49:502; breed. behav., 49:505; Malaya, blood sugar, 50:361
gracilis, soc. behav., 49:503
longipes, soc. behav., repro., 49:504
minor, behav., repro., 49:504
montana balvensis, Borneo, behav., repro., 49:503
Turkey:
faunal list, rodents, 43:515
Monachus, 45:316
Spalax, 42:359
Talpa, 45:127
Turkowski, F. J.:
Resistance of the roundtail ground squirrel (Spermophilus tereticaudus) to venom of the scorpion (Centruroides sculpturatus), 50:160
(see Mech, L. D.)
Turner, R. W.:
The olive-backed pocket mouse in southern Colorado, 49:524
(see Stains, H. J.)
Tursiops, 42:73; 43:276; 49:748, 795; Pacific, distr., nomen., 44:100
aduncus, comp., 41:408; 44:101
gephyreus, 44:100
gilli, 41:408; 44:101; 50:269; Calif., 44:424
nesarnack, 44:100
nuuanu, 44:100
truncatus, 41:343; 44:100; 49:287; 50:724; Fla., hab., 41:281; Hawaii, distr., 41:407; repro., behav., voice, 44:405; aging by teeth, 49:163
Tuttle, M. D.:
Additional record of Sorex longirostris in Tennessee, 45:146
Myotis subulatus in Tennessee, 45:148
Observation of Sorex cinereus, 45:148
Predation by Chrotopterus auritus on geckos, 48:319
First Tennessee record of Mustela nivalis, 49:133
Feeding habits of Artibeus jamaicensis, 49:787
Tuttle, M. D., and P. B. Robertson:
The gray bat, Myotis grisescens, east of the Appalachians, 50:370
Twente, J. A.:
(see Twente, J. W.)
Twente, J. A., and J. W. Twente:
Concentrations of *l*-lactate in the tissues of Citellus lateralis after known intervals of hibernating periods, 49:541
Twente, J. W.:
(see Twente, J. A.)
Twente, J. W., and J. A. Twente:
Concentrations of *d*-glucose in the blood of Citellus lateralis after known intervals of hibernating periods, 48:381
Twigg, G. I.:
Notes on Holochilus sciureus in British Guiana, 43:369
Warbles on Holochilus sciureus from the coast of British Guiana, 46:98
Twigg, G. I., and H. Miller:
The use of calcium^{45} as an agent for labeling rat populations, 44:335
Tyler, J. C.:
Erythrocytes and hemoglobin in the crab-eater seal, 41:527
Tylomys, Mexico, 46:694; char., 50:28
gymnurus, 50:37
nudicaudus, 50:37
nudicaudus microdon, 46:694
Tylonycteris pachypus fulvida, Laos, meas., 48:636
Tylopoda, 50:137
Tympanoctomys, 45:474
Tyson, E. L.:
Two new records of bats (Molossidae) from Panama, 45:495

U

Uganda:
Eidolon, 45:309
faunal list, 44:126
Loxodonta africana, 46:104, 373; 49:22; 50:90
Ullrey, D. E.:
(see Johnson, H. E.)
Ulmer, F. A., Jr.:
A longevity record for the Mindanao tarsier, 41:512
Gestation period of the lion marmoset, 42:253
Northward extension of the range of the cotton mouse in Virginia, 44:273
Sexual dichromatism in the irides of Lemur catta, 45:490
Unalaska Island, faunal list, 48:119
Ungaromys nanus, comp., 46:470
Ungava:
faunal list, microtines, 43:420
Phoca vitulina, 48:249
Union of Soviet Socialist Republics:
Lagurus lagurus, 47:225
Marmota caudata, 50:758
Myocastor, 43:418; 46:101
Myotis, 45:152
Nutria, 46:101; 47:353
Nyctalus, 45:152
Pipistrellus, 45:152

raccoon, 43:541
Sorex, 44:525
steppe mammals, 47:209
Urine concentration, Aplodontia, 47:408
Urocyon, 41:353; comp., 43:461; New England, 45:144; Fla., hab., 50:161
atwaterensis, fos., Kan., 41:363
cinereoargenteus, 41:260; 45:144, 321; 48:228, 287; Ind., 41:111; tooth, 41:363; Ariz., hab., 41:517; 43:278; Puebla, 41:519; Neb., distr., 42:93; Penn., 42:117; Minn., 42:270; Kan., 42:283; hab., 42:424; New England, hist., 45:307; prey size, 47:605; Mass., skel., arch. sites, zoogeog., 48:137
cinereoargenteus floridanus, Fla., longev., anat., 42:109; lens growth, 47:537
cinereoargenteus ocythous, S. D., distr., 44:283
cinereoargenteus scottii, Nev., ecol., 45:397
progressus, Kan., Plio., comp., 46:265
Uroderma:
bilobatum, Colombia, meas., 44:174; Trinidad; 44:396; Mexico, Nicaragua, 45:375; subsp., distr., 49:689
magnirostrum, disc., comp., distr., 49:679
Urogale everetti, 50:361
Uromys caudimaculatus, phallic morph., 49:627
Ursus:
americanus, 46:417; 50:641, 837; Mich., hab., 41:408; Mont., 42:112; Penn., 42:117; blood, phys., 42:198; breed., 44:585; Ontario, 46:355; Alas., age, heart rate, 47:328; Wyo., dens., 47:712; growth, 50:615
americanus amblyceps, Ariz., distr., 45:323
arctos, 50:837; Alas., yg., 45:312; Alas. Peninsula, Aleutian Is., 48:125; Canada, attack, 48:479
arctos beringianus, Kamchatka Peninsula, supernumerary skull bones, 49:775
arctos gygas, Alas., cub adoption, 44:584
arctos horribilis, Mont., fd., 45:476
arctos middendorffi, behav., 45:488
horribilis, 42:557; Alas., behav., 45:304
richardsoni, speed, 41:112
thibetanus japonicus, repro., capt., 42:427
Urtinotherium, dent., 47:635
Uruguay, Calomys, Desmodus, 41:458
Utah:
Citellus armatus, 47:440
Dipodomys ordii, 42:337; 48:324
Euderma, 46:665
Eutamias dorsalis, 49:145
Eutamias quadrivittatus, 50:256
Eutamias umbrinus, 46:685
faunal list, 42:122; 46:685
Lepus californicus, 46:96, 529
Lynx, 42:76
Microtus mexicanus, 43:154
Myotis, 41:393; 43:193; 47:350
Myotis thysanodes, 48:235
Neotoma, 43:328
Notiosorex, 46:196
Ochotona princeps, 48:311
Onychomys leucogaster, 41:99; 44:76; 48:324
Ovis canadensis, 41:523; 46:686
Ovis catclawensis, 50:805
Perognathus formosus, 49:319
Peromyscus, 46:529
Sorex, 46:529
Sylvilagus audubonii, 44:514; 46:685
Taxidea taxus, 42:423; 50:635
Thomomys talpoides, 47:531
Utahia, 46:394

V

Valdivieso, D.:
(see Tamsitt, J. R.)
Valdivieso, D., and J. R. Tamsitt:
First records of the pale spear-nosed bat in Colombia, 43:422
The histology of the chest gland of the pale spear-nosed bat, 45:536
Vampyressa pusilla thyone, 50:809; Mexico, 45:375; British Honduras, 46:676; Guatemala, 49:518
Vampyrodes:
caracciolae, 50:820; Trinidad, 44:396
major, Honduras, Mexico, 45:375; Honduras, 50:820
Vampyrops:
dorsalis, Colombia, fd., 48:653; forearm meas., 49:155
helleri, Colombia, meas., 44:175; Trinidad, 44:396; Costa Rica, Guatemala, Honduras, Mexico, Nicaragua, 45:375; Colombia, fd., 48:653; Guatemala, 49:518; Honduras, El Salvador, 50:820
lineatus, Brazil, hab., 44:22
vittatus, Costa Rica, 45:375
Vampyrum, 48:653
spectrum, 49:338; 50:808; Trinidad, 44:396; behav., 49:337
spectrum nelsoni, Costa Rica, distr., desc., meas., 44:188
Vancouver Island, Odocoileus, 42:522
Van Cura, N. J., and D. F. Hoffmeister:
A taxonomic review of the grasshopper mice, Onychomys, in Arizona, 47:613
Van Deusen, H. M.:
Notes on the marsupial feather-tailed glider of Australia, 41:263
Yellow bat collected over South Atlantic, 42:530
First New Guinea record of Thylacinus, 44:279
Carnivorous habits of Hypsignathus monstrosus, 49:335
Feeding habits of Planigale (Marsupialia, Dasyuridae), 50:616
Van Deusen, H. M., and K. Keith:
Range and habitat of the bandicoot, Echymipera clara, in New Guinea, 47:721
Van Deusen, H. M., and E. I. Stearns:
Source of color in the fur of the green ring-tailed possum, 42:149
Van Gelder, R. G.:
Carnivores in Puebla, Mexico, 41:519

Van Gelder, R. G., and C. A. McLaughlin:
An unusual incisor in Mephitis mephitis, 42:422
Van Valen, L.:
Notes on the ear region of Nandinia, 44:273
The origin and status of the mammalian order Tillodontia, 44:364
Nature of the supernumerary molars of Otocyon, 45:284
Paroxyclaenidae, an extinct family of Eurasian mammals, 46:388
Van Vleck, D. B.:
The anatomy of the nasal rays of Condylura cristata, 46:248
Movements of Microtus pennsylvanicus in relation to depopulated areas, 49:92
Standardization of Microtus home range calculation, 50:69
Vaughan, T. A.:
Vertebrates inhabiting pocket gopher burrows in Colorado, 42:171
Cranial asymmetry in the pocket gopher, 42:412
Reproduction in the plains pocket gopher in Colorado, 43:1
Food-handling and grooming behaviors in the plains pocket gopher, 47:132
Morphology and flight characteristics of molossid bats, 47:249
(see Engel, R. L.)
(see Myers, G. T.)
Vaughan, T. A., and R. M. Hansen:
Activity rhythm of the plains pocket gopher, 42:541
Vaughn, J. B.:
(see Arata, A. A.)
Velich, R.:
Notes on mammals from Nebraska and southwestern Iowa, 42:92
Venezuela:
Akodon urichi, 50:644
Anoura caudifera, 48:464
Calomys, 41:517
Chrotopterus auritus, 48:319
Hydrochoerus hydrochaeris, 49:534
Lonchorhina aurita, 48:464
Macrophyllum, 44:588
Molossops greenhalli, 50:831
Pteronotus, 48:465
Sigmodon hispidus, 50:810
Sotalia, 44:99
Uroderma bilobatum, 49:690
Uroderma magnirostrum, 49:680
Veracruz:
Artibeus, 41:508
Desmodus rotundus, 50:233
Eptesicus andinus, 48:285
Leptonycteris nivalis, 47:329
Leptonycteris sanborni, 47:331
Myotis nigricans, 48:284
Myotis velifer, 48:284
Nyctomys, 44:582
Verbeek, N. A. M.:
Predation by badger on yellow-bellied marmot in Wyoming, 46:506
Verma, K.:
(see Sharma, D. R.)
Verme, L. J.:
Late breeding in northern Michigan deer, 42:426
Fecundity in Michigan white-tailed deer, 43:112
Possible hereditary defects in Michigan white-tailed deer, 49:148
Vermont:
Blarina brevicauda, 43:423; 45:144, 627, 648; 46:424; 49:93
Canis latrans, 41:278
Clethrionomys gapperi, 45:627; 49:147
faunal list, 45:627; 49:93
Martes, 41:1
Microsorex hoyi, 45:627, 651
Microtus pennsylvanicus, 49:92; 50:71
Myotis, 43:546; 44:577; 46:332
Peromyscus maniculatus, 49:520
Verts, B. J.:
A convenient method of carrying and dispensing baits, 42:283
Extension of the range of the cotton mouse in Arkansas, 46:100
(see Storm, G. L.)
Vespertilio:
murinus, 46:229
superans, 47:210
Vesperus albiqularis, V. propinquus, syn., 46:230
Vessey-Fitzgerald, D. F.:
Grazing succession among East African game animals, 41:161
Vibrissae, Microtus, Reithrodontomys, 43:105
Vicuna, 47:18
Villanyia, comp., 46:466
Villa-R., B.:
Tadarida yucatanica in Tamaulipas, 41:314
Villa-R., B., and E. L. Cockrum:
Migration in the guano bat Tadarida brasiliensis mexicana (Saussure), 43:43
Virgin Islands, Herpestes, Odocoileus, Rattus, 43:544
Virginia:
Blarina, 46:496
Cervus, 41:140
Myotis, 45:151
Odobenus, 41:499
Odocoileus virginianus, 45:61
Oryzomys, 41:516
Peromyscus gossypinus, 44:273
Peromyscus leucopus, 48:591
Peromyscus maniculatus, 43:98
Reithrodontomys, 42:543
Vulpes, 45:318
Vision, bats, navigation, 48:482
Viverra civetta, Mozambique, 46:159
Vocalization:
Arctocephalus townsendi, 49:671
Blarina brevicauda, 50:499
Cryptotis parva, 50:499
Eumops, 42:404
Lepus americanus, 47:543
Mephitis, 43:432
Microtus pennsylvanicus, 49:555
Mus musculus, 49:555
Mustela nivalis, 49:418, 548
Mustela vison, 50:625

Myotis, 42:400
Onychomys, 41:99; 42:263; 49:646, 656
Onychomys leucogaster, 41:99; 42:263
Peromyscus leucopus, 49:555
Spalax, 42:359
Suncus murinus, 50:499
Tursiops, 44:405
Voisey, P. W., and W. Kalbfleisch:
A mechanical treadle for the study of small animal traffic in the field or laboratory, 43:281
Vormela peregusna, 47:210; U. S. S. R., 47:354
Vulpavoides, 46:388
Vulpes, 42:116; 47:208; Arctic, Baffin Is., Canada, 45:138
baculum, 49:33
bengalensis, West Pakistan, 48:401
corsac, 47:210
fulva, 42:513; 45:627, 645; 48:287; 49:726; Ind., 41:260; Me., 41:416; Minn., 42:179; Minn., move., 43:107; R. I., 43:266; N. Y., Penn., hab., 44:115; N. D., encounter, 44:265
fulva fulva, Kan., 42:283
fulva macroura, Ariz., 43:432
fulva regalis, 47:192
macrotis, 48:228, 546; Calif., behav., 42:109; dent., 43:456; Mexico, distr., 46:343; Zacatecas, 49:318
macrotis arsipus, Ariz., 45:323; Colo., distr., meas., 46:342
velox, 42:557; N. Mex., Colo., Wyo., 42:510; prey size, 47:605; Neb., 48:471; Mont., distr., 50:594
vulpes, 43:175, 181; 46:417; 47:210, 705; 50:838; cranial var., 41:353; India, breed., 41:387; Quebec, 43:511; New England, hist., 45:307; Va., 45:318; move., 46:102; Ontario, 46:355; Mich., lit. size, desc., 46:530; lit. size, partu., pel., meas., 47:117; prey size, 47:605; Alas. Pen., Aleutian Is., zoogeog., 48:125; Mass., skel., arch. sites, zoogeog., 48:137; Vt., 49:93; N. Y., dent., pel., 49:526; home range, 50:108; repro., 50:147; Fla., distr., hab., 50:161; Saskatchewan, 50:296; hearing, 50:567; Mont., distr., 50:593
vulpes macroura, Ida., 48:219
vulpes pusilla, West Pakistan, 48:401
vulpes regalis, S. D., distr., 44:283

W

Wade, N. J.:
(see Panuska, J. A.)
Wadsworth, C. E.:
Reproduction and growth of Eutamias quadrivittatus in southeastern Utah, 50:256
Wagner, M. W.:
Comparative sugar preference in grasshopper mice and kangaroo rats, 48:324
Wakefulness, Spermophilus undulatus, 44:575
Walker, J., and J. S. Fairley:
Winter food of Irish hares in County Antrim, Northern Ireland, 49:783
Wallabia, thermoreg., 50:556
bicolor, 50:630
Wallace, J. T., and R. S. Bader:
Dental agenesis in wild caught house mice, 47:733
Wallner, A.:
(see Buss, I. O.)
Walton, D. W., and N. J. Siegel:
The histology of the pararhinal glands of the pallid bat, Antrozous pallidus, 47:357
Waltzing:
Clethrionomys gapperi, 47:357
Microtus, 45:650
Wapiti, antlers, 44:261
Ward, A. L.:
(see Hegdal, P. L.)
Ward, C. M.:
(see Baker, R. J.)
Ward, F. D., and R. G. Leonard:
Rodents drown in improvised mast traps, 49:530
Waring, G. H.:
Behavior of a marmot toward a marten, 46:681
The blow sound of pronghorns (Antilocapra americana), 50:647
Warkentin, M. J., and C. H. Conaway:
Vaginal smears in the tree shrew (Tupaia chinensis), 50:817
Warner, D. W.:
(see Mech, L. D.)
Warnock, J. E.:
Waltzing in the genus Microtus, 45:650
Wasatchia, 47:488; teeth, 49:301
Washington:
Aplodontia rufa, 50:1
Citellus, 42:257
Eschrichtius, 42:108
Marmota flaviventris, 50:756
Microtus montanus, 49:215
Oreamnos americanus, 42:280; 48:242
Peromyscus maniculatus, 44:180; 48:591
Peromyscus oreas, 44:180
Plecotus townsendii, 49:140
Spermophilus townsendi, 47:581
Spermophilus washingtoni, 47:581
Spilogale putorius, 48:606
Vulpes, 48:219
Water balance:
Acomys cahirinus, 50:248
Acomys russatus, 50:248
Antrozous, 41:452
Artibeus, 41:508
Dipodomys merriami, 50:514
Dipodomys venustus, 50:514
Lynx, 45:477
Meriones, 43:150
Mus, 45:26
Neotoma, 50:605
Peromyscus, 44:322; 45:26, 197; 49:520
Rattus norvegicus, 50:355
Rattus rattus, 50:487
Spermophilus lateralis, 50:355

Waters, J. S.:
Clethrionomys and Peromyscus in southeastern Massachusetts, 42:263
Range of Peromyscus maniculatus in southern New England, 43:102
Distribution of gray fox in southeastern New England, 45:144
Red fox and gray fox from New England archeological sites, 45:307
Foxes on Martha's Vineyard, Massachusetts, 48:137
Gray seal remains from southern New England archeological sites, 48:139
The systematic position of white-footed mice, genus Peromyscus, of Nantucket, Massachusetts, 50:129
Waters, J. H., and C. W. Mack:
Note on former range of Cervus canadensis in New England, 43:266
Second find of sea mink in southeastern Massachusetts, 43:429
Waters, J. H., and C. E. Ray:
Former range of the sea mink, 42:380
Waters, J. H., and B. H. Stockley:
Hibernating meadow jumping mouse in Nantucket Island, 46:67
Watkins, L. C.:
(see Easterla, D. A.)
Watkins, W. A.:
Air-borne sounds of the humpback whale, Megaptera novaeangliae, 48:573
(see Schevill, W. E.)
Watkins, W. A., and W. E. Schevill:
Underwater playback of their own sounds to Leptonychotes (Weddell seals), 49:287
Watson, G. E., 3rd:
Behavioral and ecological notes on Spalax leucodon, 42:359
Wauer, R. H.:
Peculiar actions of coyote and kit fox, 42:109
Genus and species of shrew new for Utah, 46:496
Weasel, pred., 45:187
Weaver, H. F.:
(see Hansen, K. L.)
Webb, S. D.:
A relict species of the burrowing rodent, Mylagaulus, from the Pliocene of Florida, 47:401
Weidenbacher, G. H.:
(see Wilber, C. G.)
Weigand, J. P.:
Canine teeth in two Nebraska mule deer, 46:528
Weight:
Eutamias, seas. changes, 49:463
frozen specimens, 46:110
Marmota, changes, 46:438
Myotis, changes, 46:20
Peromyscus, organs, 46:311
Sigmodon, organs, 46:699
Weight lifting, Antrozous, Macrotus, Myotis, Plecotus, Tadarida, 45:643
Welser, C. F.:
(see Brown, J. H.)
Werner, H. J.:
(see Sandberg, H. R.)
Werner, H. J., and D. M. Lay:
Morphologic aspects of the chest gland of the bat, Molossus ater, 44:552
Werner, W. E., Jr.:
(see Knable, A.)
West, G. C., and V. H. Hutchison:
The southern bog lemming in Rhode Island, 45:479
West Indies:
Cercopithecus aethiops, 50:833
Globicephala, 44:113
Rattus, 42:344
West Pakistan, faunal list, 48:392
West Virginia:
Felis, 42:277
Lasionycteris, 47:121
Myotis, 42:530
Peromyscus maniculatus, 50:823
Pipistrellus subflavus, 47:383
Plecotus, 42:402
Sciurus carolinensis, 48:328
Wetmore, S. P.:
(see Nellis, C. H.)
Wetzel, R. M., and L. R. Penner:
Coydog in Connecticut, 43:109
Wetzel, R. M., and E. Shelar:
The water shrew in southern Connecticut, 45:311
Whale:
baleen, meas., 43:261
sperm, distr., 43:111; meas., 43:261
Wharton, C. H.:
Distribution of the red squirrel in Georgia, 49:153
First records of Microsorex hoyi and Sorex cinereus from Georgia, 49:158
Wharton, C. H., and J. J. White:
The red-backed vole, Clethrionomys gapperi, in north Georgia, 48:670
Whicker, F. W.:
Density studies of mule deer body fat, 45:252
Whitaker, J. O., Jr.:
Food, habitat and parasites of the woodland jumping mouse in central New York, 44:316
Food of 120 Peromyscus leucopus from Ithaca, New York, 44:418
Clitoris bones of Zapus hudsonius and Napaeozapus insignis, 47:127
Food of Mus musculus, Peromyscus maniculatus bairdi, and Peromyscus leucopus in Vigo County, Indiana, 47:473
Hoary bat apparently hibernating in Indiana, 48:663
Whitaker, J. O., Jr., and M. G. Ferraro:
Summer food of 220 short-tailed shrews from Ithaca, New York, 44:419
Whitaker, J. O., Jr., and R. E. Goodwin:
Additional record of Peromyscus maniculatus bairdi in New York, 41:518
Whitaker, J. O., Jr., and E. G. Zimmerman:
Additional Mustela nivalis records for Indiana, 46:516

Microtus ochrogaster in Alabama and Tennessee, 49:328
White, H. E.:
(see Chew, R. M.)
White, J. J.:
(see Wharton, C. H.)
White, L. D.:
Concrete molds of rodent burrows, 43:265
Whitney, R. R.:
(see Hester, F. J.)
Wick, W. Q.:
(see Kuhn, L. W.)
Wiebers, J. E.:
(see Hurst, R. N.)
(see Stones, R. C.)
Wiedomys, 45:474
Wiegert, R. G.:
Nest construction and oxygen consumption of Condylura, 42:528
Wiegert, R. G., and J. C. Mayenschein:
Distribution and trap response of a small wild population of cotton rats (Sigmodon h. hispidus), 47:118
Wight, H. M.:
(see Conaway, C. H.)
Wilber, C. G.:
The swimming capacity of the golden hamster, 44:265
Electrocardiogram of the armadillo, 45:642
Wilber, C. G., and E. Setzler:
Blood cells in the African green monkey, 49:547
Wilber, C. G., and G. H. Weidenbacher:
Swimming capacity of some wild mammals, 42:428
Wilfredomys, 45:474
Wilimovsky, N. J.:
(see Maher, W. J.)
Wilke, F., and C. H. Fiscus:
Gray whale observations, 42:108
Wilker, K. K., and R. Ostwald:
Partial contact as a stimulus to laboratory mating in the desert pocket mouse, Perognathus penicillatus, 49:570
Wilks, B. J.:
Reingestion in geomyid rodents, 43:267
Wilks, B. J., and H. E. Laughlin:
Roadrunner preys on a bat, 42:98
Williams, C. S.:
(see Williams, M. W.)
Williams, D. F., and J. S. Findley:
The plains pocket mouse (Perognathus flavescens) in New Mexico, 49:771
Williams, F. R.:
(see Brattstrom, B. H.)
Williams, M. W.:
Molt in Blarina brevicauda, 43:423
An albino short-tailed shrew from Vermont, 43:424
Williams, M. W., H. A. Baldwin, and C. S. Williams:
Body temperature observations on a caged Mexican wolf (Canis lupus baileyi) by remote telemetry, 49:329
Williams, O.:
A technique for studying microtine food habits, 43:365
Williams, O., and B. A. Finney:
Endogone—food for mice, 45:265
Williams, R.:
(see Fichter, E.)
Wilson, E. D., and A. A. Dewees:
Body weights, adrenal weights and oestrous cycles of nutria, 43:362
Wilson, N.:
Red bats attracted to insect light traps, 46:704
(see Phillips, C. J.)
Wimsatt, W. A.:
An analysis of parturition in Chiroptera, including new observations on Myotis l. lucifugus, 41:183
Responses of captive common vampires to cold and warm environments, 43:185
Transient behavior, nocturnal activity patterns and feeding efficiency of vampire bats (Desmodus rotundus) under natural conditions, 50:233
(see Krutzsch, P. H.)
Wimsatt, W. A., and A. Guerrier:
Care and maintenance of the common vampire in captivity, 42:449
Observations on the feeding capacities and excretory functions of captive vampire bats, 43:17
Wing, E. S.:
Reproduction in the pocket gopher in north-central Florida, 41:35
Abnormal dentition in several white-tailed deer jaws, 46:348
Wing loading:
bats, 50:141, 362
Nycticeius humeralis, 48:1
Wing span, bats, 50:362
Wing structure, bats, 50:766
Winkelmann, J. R.:
Mammal records from Guerrero and Michoácan, Mexico, 43:108
Additional records of Mimon cozumelae, 43:112
Winkelmann, J. R., and L. L. Getz:
Water balance in the Mongolian gerbil, 43:150
Winter, J. W.:
Bird predation by the Australian marsupial squirrel glider, 47:530
Wirtz, W. O., II:
Reproduction, growth and development, and juvenile mortality in the Hawaiian monk seal, 49:229
(see Birkenholz, D. E.)
Wisconsin:
Blarina, 46:328
Canis, 42:508
Castoroides ohioensis, 50:826
Citellus tridecemlineatus, 46:76; 47:294
Condylura cristata, 47:538
fur trapping, 50:837
Gulo luscus, 42:546
Lepus, 46:328
Microtus pennsylvanicus, 49:774
Mustela, 43:323; 49:318
Sciurus, 41:125

Sorex, 41:263
Vulpes vulpes, 47:118; 50:108
Wise, D. H.:
Home range of a wandering shrew, Sorex vagrans, by tracking, 48:490
Wiseman, J. S.:
Predation by the Texas rat snake on the hoary bat, 44:581
Wiseman, J. S., B. L. Davis, and J. E. Grimes:
Rabies infection in the red bat, Lasiurus borealis borealis (Muller), in Texas, 43: 279
Wolfe, J. L.:
Average distance between successive captures as a home range index for Peromyscus leucopus, 49:342
Wolfe, J. L., and D. T. Rogers:
Old field mammals in western Alabama, 50:609
Woloch, J. P.:
(see Yeager, L. E.)
Wong, M.:
(see Elliot, O.)
Wood, A. E.:
The juvenile tooth patterns of certain African rodents, 43:310
Unworn teeth and relationships of the African rodent, Pedetes, 46:419
The third upper premolars of the woodchuck (Marmota), 50:608
Wood, J. E., and E. P. Odum:
A nine-year history of furbearer populations on the AEC Savannah River Plant area, 45:540
Woodburne, M. O.:
A late Pleistocene occurrence of the collared peccary, Dicotyles tajacu, in Guatemala, 50:121
Woolf, A., and T. O'Shea:
Two bighorn sheep-coyote encounters, 49: 770
Wright, B. S.:
The latest specimen of the eastern puma, 42:278
(see Neave, D. J.)
Wright, P. L.:
(see Hoffmann, R. S.)
Wruble, S. D.:
(see Peterson, E. A.)
Wyoming:
Alces alces, 41:525, 50:826
Antilocapra americana, 50:647
Bassariscus, 42:275
Bunophorus etsagicus, 49:297
Bunophorus sinclairi, 47:487
Canis, 42:510
Cynomys leucurus, 48:100
Diacodexis metsiacus, 49:297
Dipodomys ordi, 44:118
Equus conversidens, 48:661
Euderma, 42:401
faunal list, 44:129
fossil rodents, 50:816
Lynx, 42:510
Marmota, 42:100; 46:506
Martes, 42:276, 516
Mephitis, 42:510
Microsorex hoyi, 48:617
Microtus, 41:273; 46:434
Mustela frenata, 42:276
Mustela nigripes, 47:346
Myotis, 41:16
Myotis thysanodes, 48:231
Onychomys leucogaster, 47:118
Perognathus, 47:118
Peromyscus maniculatus, 44:338; 47:118; 48:591
Procyon, 42:510
Reithrodontomys montanus, 47:118
rodents, 45:267
Sciurus, 46:516
Sorex cinereus, 48:617
Sorex merriami, 48:617
Sorex nanus, 41:230; 48:617
Sorex palustris, 42:527; 48:617
Sorex vagrans, 41:230; 48:617
Taxidea, 42:276, 510; 46:506
Thomomys talpoides, 49:699
Ursus americanus, 47:712
Vulpes, 42:510

X

Xenuromys, 49:610, 640

Y

Yak, 47:209
Yeager, L. E., and J. P. Woloch:
Striped skunk with three legs, 43:420
Yoakum, J.:
Observations on bobcat-water relationships, 45:477
Ringtail in northern Nevada, 47:351
Youatt, W. G.:
(see Erickson, A. W.)
(see Johnson, H. E.)
Young, S. P., and R. H. Manville:
Records of bighorn hybrids, 41:523
Youngman, P. M.:
Walrus on Prince Patrick Island, Northwest Territories, Canada, 46:104
Insular populations of the meadow vole, Microtus pennsylvanicus, from northeastern North America with descriptions of two new subspecies, 48:579
Yucatan, Ototylomys phyllotis, 50:38
Yukon, Spermophilus undulatus, 47:581
Yung-fu, L.:
(see Jones, G. S.)

Z

Zacatecas:
Dasypterus, 41:511
Didelphis marsupialis, 49:318
faunal list, bats, 49:743
Perognathus hispidus, 47:345
Vulpes macrotis, 46:343; 49:318
Zakrzewski, R. J.:
The systematic position of Canimartes from the upper Pliocene of Idaho, 48:293
Dental abnormality in the genus Castor, 50:652

Zalambdalestes, 46:394
Zalophus, 44:281; 48:143; Calif., distr., 41: 366; Pleist., Mexico, 42:547
californianus, 47:195; 49:668; 50:726; pop., 41:370; Calif., 42:273; distr., comp., 42: 549; comp. fos. otariid, 45:57; Calif., distr., 49:156
californianus wollebaeki, soc. struct., age, repro., behav., 48:63; migr., 48:68
Zapus, fd., 43:365; Kan., Okla., fos., evol., meas., tax., 44:248
burti, desc., Kan., fos., meas., teeth, 44:256
hudsonius, 44:252; Minn., range, 41:438; N. Y., 41:518; Mich., 42:26; Mo., 45: 150; Mass., hiber., nest, behav., phys., 46:67; os clit., meas., 47:127; Alas. Pen., Aleutian Is., 48:125; Vt., 49:93; Saskatchewan, 50:296
hudsonius adamsi, comp., 44:257
hudsonius americanus, 46:67; hab., distr., meas., 47:123
hudsonius campestris, 41:438
hudsonius canadensis, Quebec, 42:282
hudsonius *transitionalis*, Kan., desc., Pleist., comp., dent., 44:257
princeps, 44:252; 45:604; Utah, distr., 42: 124; Colo., 42:415; Wyo., Colo., fd., 45: 267; gls., 46:33
rinkeri, Kan., fos., desc., meas., 44:254
sandersi, Kan., fos., meas., teeth, desc., 45:254
sandersi rexroadensis, 44:254
trinotatus, 44:252
Zervanos, S. M., and D. E. Davis·
Perception of red light by woodrats (Neotoma floridana), 49:759
Ziegler, A. C.:
Occurrence of os clitoridis in Microtus, 42: 101
Zimmerman, D. A.:
(see Mumford, R. E.)
Zimmerman, E. G.:
A comparison of habitat and food of two species of Microtus, 46:605
(see Lee, M. R.)
(see Whitaker, J. O., Jr.)
Zimmy, M. L.:
Thirteen-lined ground squirrels born in captivity, 46:521
Ziphius cavirostris, 44:100; 48:651; 50:150; N. C., 41:521; Alas., dent., anat., stranding, 42:71; Puerto Rico, 43:276; Fla., meas., 44:575; stranding, 47:327; Gulf of California, distr., meas., 47:339; Mexico, 48:328; sounds, 48:573; Alas., 50:127
Zubr, 47:218
Zygodontomys brevicaudus, Z. cherriei, Z. thomasi, 50:647

REVIEWS

(arranged by author of work reviewed)

Anderson, S., and J. K. Jones, Jr. (eds.):
Recent mammals of the world—a synopsis of families, 48:683
Asdell, S. A.:
Patterns of mammalian reproduction, 46: 357
Audubon, J. J., J. Bachman, and V. H. Cahalane:
The imperial collection of Audubon animals, 49:349
Balinsky, B. I.:
An introduction to embryology, 42:430
Banasiak, C. F.:
Deer in Maine, 42:559
Bannikov, A. G., *et al.*:
The biology of the saiga antelope, 44:434
Barabash-Nikiforov, I. I., and A. N. Formozov: Theriology, 45:156
Barnes, C. T.:
The cougar or mountain lion, 42:430
Berry, W. D.:
Buffalo land, the untamed wilderness of the High Plains frontier, 43:435
Bibikov, D. I.:
[Mountain marmots of central Asia and Kazakhstan], 50:388
Blair, W. F., A. P. Blair, P. Brodkorb, F. R. Cagle, and G. A. Moore:
Vertebrates of the United States, 49:577
Borror, D. J.:
Dictionary of word roots and combining forms, 42:285
Bourliere, F., and J. Verschuren:
Introduction a l'ecologie des Ongules du Parc National Albert, 42:126
Bubenik, A. B.:
Das Geweih [Antlers], 48:681
Burroughs, R. D. (ed.):
The natural history of the Lewis and Clark expedition, 42:557
Cabrera, A.:
Catalogo de los mamiferos de America del Sur, 43:558
Cockrum, E. L.:
Introduction to mammalogy, 44:285
The Recent mammals of Arizona, 42:431
Corbet, G. B.:
The terrestrial mammals of western Europe, 49:169
Costello, D. F.:
The world of the porcupine, 48:150
Cowles, R. B.:
Zulu journal: field notes of a naturalist in South Africa, 41:288
Crouch, J. E.:
Text-atlas of cat anatomy, 50:847
Crowcroft, P.:
Mice all over, 48:500

Dasmann, R. F.:
Environmental conservation, 41:145
Davis, D. D.:
The giant panda: a morphological study of evolutionary mechanisms, 47:162
DeVore, I. (ed.):
Primate behavior, field studies of monkeys and apes, 47:363
Ellerman, J. R., and T. C. S. Morrison-Scott:
Checklist of Palaearctic and Indian mammals, 1758 to 1946, 49:169
Ewer, R. F.:
Ethology of mammals, 50:846
Froman, R.:
The nerve of some animals, 42:560
Godfrey, G., and P. Crowcroft:
The life of the mole, 42:431
Goodrich, E. S.:
Studies on the structure and development of vertebrates, 41:145
Goodwin, G. G., and A. M. Greenhall:
A review of the bats of Trinidad and Tobago: descriptions, rabies infection, and ecology, 42:559
Gromov, I. M., *et al.*:
[Mammal fauna of the USSR], 45:153
Haltenorth, T.:
Klassification der Saugetiere I (1 und 2), *in* Handbuch der Zoologie, Band VIII, Mammalia, 41:417
Handley, C. O., Jr.:
A revision of American bats of the genera Euderma and Plecotus, 41:144
Harrison, D. L.:
Footsteps in the sand, 41:287
The mammals of Arabia, vol. I, 46:531
Heptner, V. G., A. A. Nasimovich, and A. G. Bannikov:
[Mammals of the Soviet Union], 45:153
Herter, K.:
Hedgehogs, 50:168
Hildebrand, M.:
Anatomical preparations, 50:167
Hinton, H. E., and A. M. S. Dunn:
Mongooses, 49:797
Hsu, T. C., and K. Benirschke:
An atlas of mammalian chromosomes, 48: 684
An atlas of mammalian chromosomes, vol. 2, 49:797
Husson, A. M.:
De zoogdieren van de Nederlandse Antillen (Mammals of the Netherlands Antilles), 43:558
International Code of Zoological Nomanclature, 43:284
Isakov, Y. A. (ed.):
Symposium on questions of organization and methods of censusing terrestrial vertebrate faunal resources, 43:114
Jackson, H. H. T.:
Mammals of Wisconsin, 42:284
Jaeger, E. C.:
Desert wildlife, 44:286
Jarvis, C. (ed.):
International zoo yearbook, vol. VII, 48:685
Jarvis, C., and R. Biegler (eds.):
International zoo yearbook, vol VI, 48:685
International zoo yearbook, vol. VIII, 50: 168
Jarvis, C., and D. Morris (eds.):
International zoo yearbook, vol. II, 43:435
International zoo yearbook, vol. III, 44:286
Jellison, W. L.:
Adiaspiromycosis, 50:847
Jones, J. K., Jr.:
Distribution and taxonomy of mammals of Nebraska, 47:362
Kendeigh, C. S.:
Animal ecology, 43:286
King, J. A. (ed.):
Biology of Peromyscus (Rodentia), 50:655
King, J. E.:
Seals of the world, 47:735
Klevezal, G. A., and S. E. Kleinenberg:
[Age determination of mammals by layered structure in teeth and bones], 50:163
Kratochvil, C. H. (ed.):
Primates in medicine, vol. I: first Holloman symposium on primate immunology and molecular genetics, 50:657
Krebs, C. J.:
The lemming cycle at Baker Lake, Northwest Territories, during 1959–1962, 46: 357
Kurtén, B.:
Pleistocene mammals of Europe, 50:387
Lawrence, M. J., and R. W. Brown:
Mammals of Britain—their tracks, trails and signs, 50:387
Leopold, A. S.:
Wildlife of Mexico: the game birds and mammals, 41:288
Lilly, J. C.:
Man and dolphin, 43:286
Long, C. A.:
The mammals of Wyoming, 47:361
Lyman, C. P., and A. R. Dawe (eds.):
Mammalian hibernation: proceedings of the first international symposium on natural hibernation, 42:560
Martin, P. S., and H. E. Wright, Jr. (eds.):
Pleistocene extinctions (the search for a cause), 50:164
Matthiessen, P.:
Wildlife in America, 41:289
Mech, L. D.:
The wolves of Isle Royale, 49:167
Mosby, H. S. (ed.):
Manual of game investigational techniques, 41:528
Napier, J. R., and P. H. Napier:
A handbook of living primates, 49:576
National Geographic Society:
Wild animals of North America, 42:128
Niethammer, G.:
Reports and results of bat-banding experiments in Germany and Austria, 42:285
Norris, K. S. (ed.):
Whales, dolphins, and porpoises, 48:332
Orr, R. J.:
Vertebrate biology, 42:560

Parkes, A. S. (ed.):
Hypothermia and the effects of cold, 42:285
Peterson, R. L.:
The mammals of eastern Canada, 48:333
Popowski, B.:
Hunting pronghorn antelope, 44:133
Pucek, Z. (ed.):
The European bison, current state of knowledge and need for further studies, 50:166
Romer, A. S.:
Notes and comments on vertebrate paleontology, 50:655
Vertebrate paleontology, 49:165
Rosevear, D. R.:
The bats of West Africa, 49:350
Rowlands, I. W. (ed.):
Comparative biology of reproduction in mammals, 48:335
Ryan, R. M.:
Mammals of Deep Canyon, Colorado Desert, California, 49:798
Schmidt, H.:
Der flug der tiere, 42:431
Schwartz, C. W., and E. R. Schwartz:
The wild mammals of Missouri, 41:290
Siivonen, L.:
[Mammals of northern Europe], 49:349
Simon, N.:
Red data book, vol. I—Mammalia, 49:166
Simons, E. L.:
The Paleocene Pantodonta, 42:129
Simpson, G. G.:
Principles of animal taxonomy, 42:431
Slevin, J. R.:
The Galapagos islands: a history of their evolution, 41:417
Sokal, R. R., and P. H. A. Sneath:
Principles of numerical taxonomy, 46:111
Stokes, A. W. (ed.):
Animal behavior in laboratory and field, 49:798
Terres, J. K.:
Discovery: great moments in the lives of outstanding naturalists, 43:115
Living world books, 50:848
The wonders I see, 42:129
Trougton, E.:
Furred animals of Australia, 48:499
Van Den Brink, F. H.:
A field guide to the mammals of Britain and Europe, 50:165
Verts, B. J.:
The biology of the striped skunk, 49:576
Villa-R., B.:
Los murcielagos de Mexico, 48:683
Wagstaffe, R., and J. H. Fidler:
The preservation of natural history specimens, 50:167
Walker, E. P., *et al.*:
Mammals of the world, 46:710
Warwick, J. W.:
The jaws and teeth of primates, 42:128
Wilson, L.:
My beaver colony, 50:389
Yablokov, A. V.:
Variability in mammals, 48:500

Date Due

PRINTED IN U.S.A. CAT. NO. 24 161 BRODART

AUGUSTANA LIBRARY
UNIVERSITY OF ALBERTA

AUGUSTANA UNIVERSITY
1 1910 00118 2598